

The opening of the new hall

Very one who stands there.

The formal opening of the new hall in Sturminster took place upon the evening of the 27th and was, according to the testimony of one who passed in at a corner window, a complete success. By the time the doors were half open, a throng of guests expected, stood up to their elbows in the "blue mud" which introduced itself before the doorway, and with a voracity mostly just such as can be counted on their part, three dinner stamps prior to forcing an entrance to the pigeon-hole for those necessary bits of paper which would carry them through to the desired auditorium. In due time the music was heard - usually chosen for the occasion - and the hall was full.

Mr. Saml!

The last man and woman having taken his seat beside his fair and - sister, and she having sufficiently tired in her criminal the curtains went up and disclosed the performance. Suffice it to say is deemed one to detail the performance of the evening, but cannot reference thereto with perhaps satisfaction. The Handel & Haydn Society of Phil. which would have been highly creditable to Infirmary, and Kortschak who was highly expected (in a distant part of the Country) was superseded by Prof. White who hummed the Grand pieces in a way, ^{deliberately} satisfactory to deaf persons and the mothers of young infants. whose presence - chant for Cry was observable at intervals. & to certify the admiration of the audience.

Lectures

on

Materia Medica

by

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In the University of Pennsylvania.

Lectures

110

Chilodactylus

pt

Chilodactylus

Chilodactylus

Chilodactylus

Chilodactylus

Lizette

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P

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Robt. Patterson

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P

Chips from a Country Wood Piles
Employing in the above "The Ocean"

"Vivian" - Times

"A man who came of it - Lupton"

"Two Pictures by the Sea" - Times

"The Beggar Girl" - Times

"A man who came of it - Lupton"

"A man who came of it - Lupton"

1 Introduction.

Of the means of acquiring a knowledge of the
Virtues of Vegetables.

These are four:—

- 1st Chemical Analogy:—
- 2^d Sensible Qualities:—
- 3^d Botanical Affinity:—
- 4th Experience. —

Sensible Qualities are Taste,
Colour and Smell. — Taste and Smell
are extremely natural but liable to some
exceptions, some of the most powerful are
destitute of both, Dr Cullen lays it down
as a general rule, that "all bodies are bland
and mild to the Taste ought to be rejected
from the Materia Medica". The Abbe Fontana

Reni's

If ever an Angel illumined the track
As it swept thro' the doorway of Gods
That Angel was Reni's - without a look back
As she lifted the valve of the Gods
She flew upward upward until her white plume
Entered the portals - the portals of bliss
Did ever such radiance the gateway illumine?
Was there ever such glory as this?
Do you doubt - do you dare?
Do you say that for thousands of years
The Angels have sped & illumined the air
That the Angels have gone on illumined the spheres
With just as much glory as she?
With as golden a glory and golden a glow
And just as much brightness as she?
It may be it may be - but oh if you loved
With my indestructible limitless love
You would not believe that a mortal of earth
Ever swept through the regions of night & above
~~Rested~~ by the glowing sea
With such glory & brightness radiance as she
Whose fathoms of air twined the earth so they
Are pendulous now between Reni's

Tells us the Venom of the Viper was insipid as Water; this is doubtful; his experiments do not coincide with mine made on Rattle Snake which is nearly allied to it, I put some of the venom of the Rattle Snake on my Tongue and diffused it freely through my mouth; the effect was contrary to that of Fontana's; it imparted a peculiar indiscribable sensation, a penetrating warmth and Redness which remained several hours, altho' I frequently washed it with Water. The *Lobelia Syphilitica* has a taste like the *Nicotiana Tabacum* and is found to produce similar effects. ~~~~~

Smell. Linnæus mentions the Smell, this will seldom answer: he says the odoriferous act on the Nerves, the Sapid on the muscles; to this there are exceptions *Nimium me credere sapore aut odore.* ~~~~~

The time was mispent - the day time
Had run out its light - - - - -
I lay in my bed - with my eyes closed I awoke
In my bed - awake as the day when the clouds
Hide the Sun - with a cloud over my eyes
But with day in my head
And I saw by the hillside a man with a spade
A spade & a man with a spade. What a Trinity
This for a man in the gloom.
He mounted the top and slowly overlaid
And planted the tomb; But just
As he finished his sepulchral duty
The lid of the earth was upraised and
There stood an Angel of marvellous beauty
An Angel of glorious Beauty

Colour Linneus Aphorisms on this Subject are worth remembering, tho' there are many exceptions to them. —

1st Pallidum insipidum. 2^o Virides, crudum: this is applicable to fruit.

3^o Suturn Amacum, /generally/ 4th "

Ruber, acidum: flowers are exceptions, the red beat. — and black indicates something ungrateful or of a suspicious poisonous quality. —

Botanical Affinity.

Different Authors have Arranged the Articles of the *Materia Medica* according to their botanical Affinity, Boerhaave Arranged his according to his botanical System, but as this is deserted his Arrangement of course falls. —

Reverie?
Good-bye Love
Mortuus
Matanus. 1

Let's a Debating Society
Subject of Parmenides
Come into Supper, Jacob.

Lizette.
Watching & Waiting
Mobility

Home Hills
Wife of a Doctor
Two Pictures

I Ode to Independence Hall

Two Years in Heaven

Hearts-eyes 1/2. Love Long B&B

Only a Penny, Sir.

Ode to Independence Hall

To my Mother in Heaven

To Ladies.

A Star.

Sunset Scene

Waiting. Extract from an Unfinished Poem

The Dying Year

Linnaeus & Schoepf on the Sexual System as it is termed and Murray on his Order Naturales, they are however all liable to many Objections, it is true many families of plants agree in their properties; the Genus *Physalis* are poisonous. —

The 28th Order of Murray's Arrangement may be adduced as a Specimen of its correctness, it contains the *Pyrus* *Prunus* *Amygdalus*; — but this will not hold good, thus *Digitalis* and Comfrey are nearly allied but the one is an active the other nearly an inert Vegetable. —

Experience, This is what we are principally to rely on, other Writers have pursued different routes, Doctor Rush has divided the body into particular Systems and it is

Goodbye

Home of my early dreams, - Farewell;
I go - from all I go;
New scenes are mine midst which to dwell,
New fields are mine to sow.

Farewell Oh Silent City, thou
So full of holy dust - !
May God in mercy fit me now
To mingle where I must - !

Dear Graves on Yonder sacred hill!
I know not now the years
Till I may come again to fill
Thy sculptured urns with tears.

But if again I may not weep
Above the blooming sod,
May I between you joined in sleep
Awake and sing with God.

Thine very truly
Fulmerille Pe

proposed to class them as they operate
 on a particular System: in some such
 method I think a division might be
 made of more lasting duration but the
 period has not arrived when such shall
 be complete. It would be easy to shew
 the errors such a System would be liable
 to. I object to the Idea of Medicines opera-
 ting on One System alone, Opium for
 instance operates on several; it operates
 on the Liver; this is evident from its causing
 a more vigorous secretion of bile; and in
 Yellow Fever brings back lost pain to the
 Liver, it acts on the lungs increasing the
 Secretion of mucus tho' contrary to common
 belief; it often pukes and purges, more gener-
 ally than is supposed; it acts on the Seminal

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Vessels increasing the Secretion of Semen:
 it acts on the Brain and Nerves, causing
 a dilatation of the pupil, bringing on
 Delirium and producing Dimness of Sight,
 this is a common effect: it increases Thirst.
 Does it Operate on the Glandular and Sym-
 phatic System? It does, it most certainly
 increases absorption.

I believe it is one of our most general and
 diffusible Stimulants; on the Nerves
 System, also it causes tinnitus Aurium,
 Paralysis Sneezing &c. excretion from the
 nose on the skin it causes heat Erysipelas
 And even Abscesses.

On what System then does it Operate and
 to what Class will we refer it? —

There is no article that Operates on One or

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two Systems exclusively: thus digitalis from its lowering the Pulse which I believe it does more than any other medicine was thought exclusively to act on the Sanguiferous System; but its Action is not so limited; acting on the Salivary glands producing Ptialism and on the Kidneys being diuretic and sometimes even intoxication like Opium; its effects are more analogous to Opium than is generally supposed.

Stramonium acts on most of the Systems, on the Brains, dilating the Pupil: on the Pulse it is diuretic Sudorific and Stalagogue, I do not however deny there are Medicines which operate particularly on one part of the body; Thus Mercury both from internal & external

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use seems all most uniformly to affect the Salivary glands but it is certainly an universal Stimulant there is some power or elective attraction which determines their operation to one part in preference to another, The Animal body is an Unit; it is a Chain composed of many links, no Medicine can affect one link without all the chain

Dr Lewis's arrangement was alphabetical. — To Doct. Darwin's arrangements I have many Objections in his *Reverentia* strong purges, inverting the Sympathetic glands and lacteals is entirely hypothetical. — In some respects the System of Doct. Cullen is a good one;

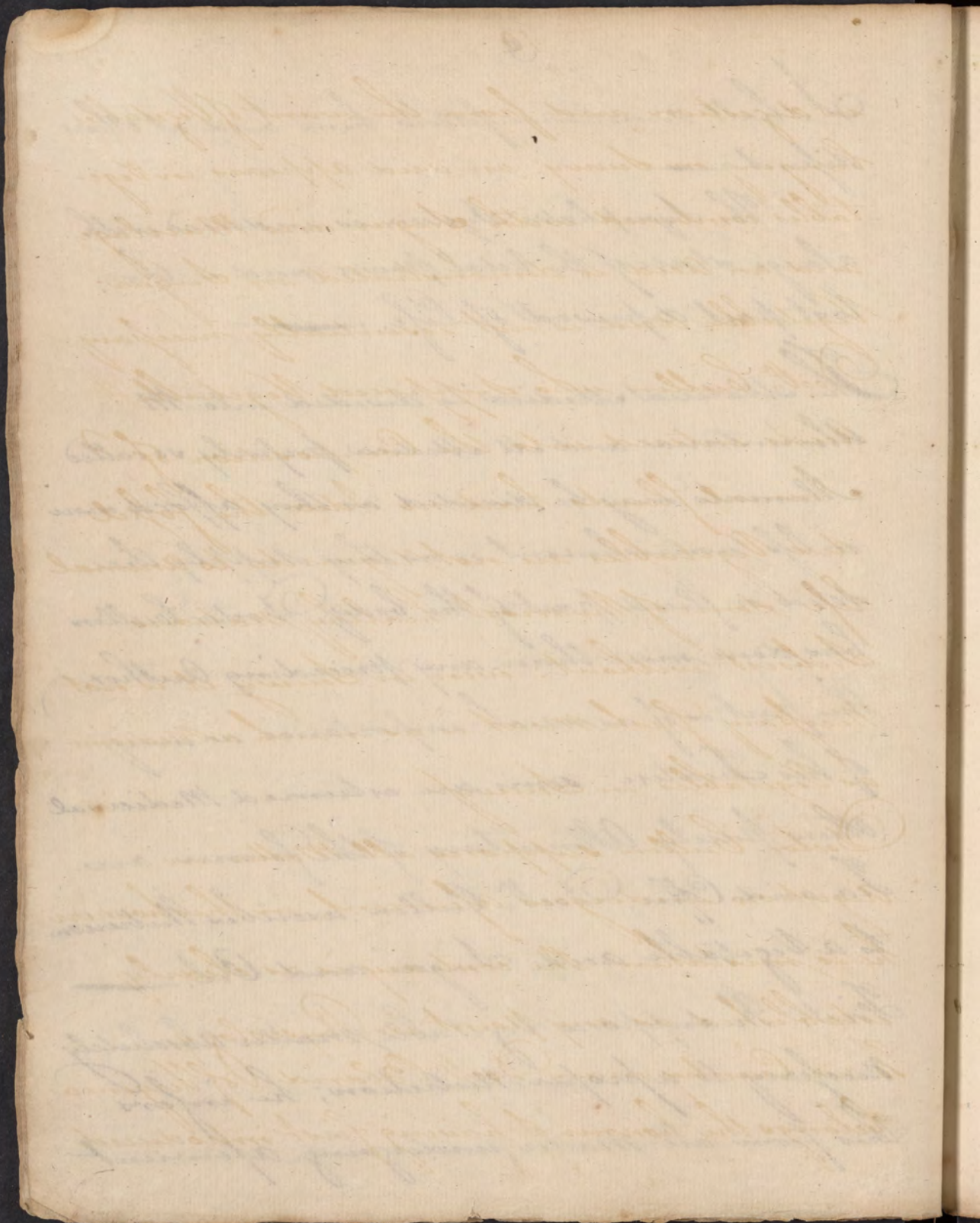
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I shall sometimes follow him and at others dissent. —

The Sympathetic System is induced with a large share of the Vital power and is the last part deprived of Life. —

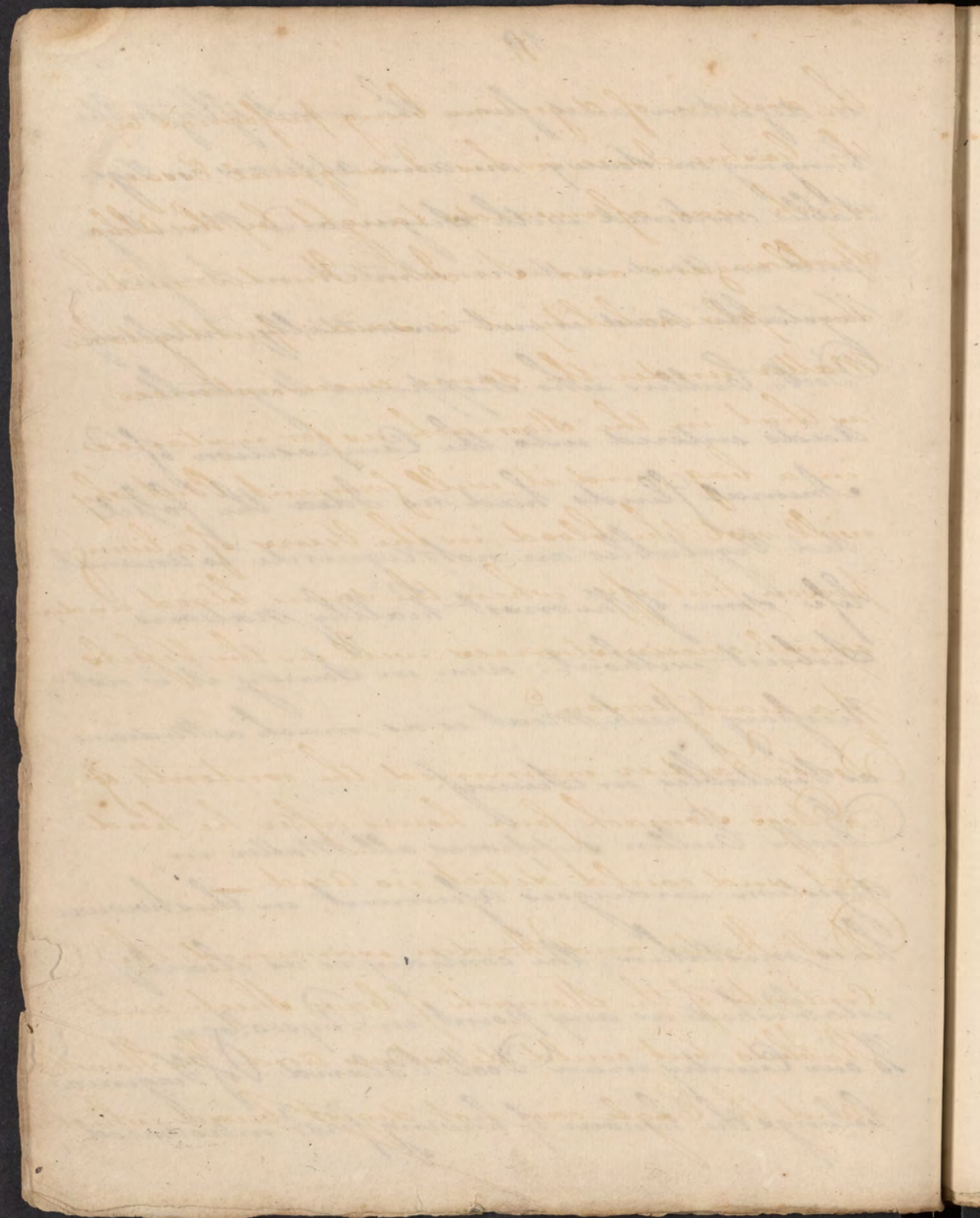
The Materia Medica is divided into *M* Alimentaria and *M* Medica properly so called. Elements may be divided as they afford more or less nourishment or as they supply the solid or fluid part of the body, Doctor Cullen has done more than any preceding Author, this part is of as much importance as any of his Treatise: some are esteemed Medicinal others purely Alimentary of the former are Tea and Coffee, Doct^r Cullen ascribes Nutrition to a Vegetable acid, Sugar and Oil. —

First, He supposes Vegetable matter absolutely necessary to a proper Nutrition; he infers this from all matter undergoing a ferment



in digestion and from the want of Vegetables
 bringing on Scurvy. an acid appears in Vege-
 tables combined with Sugar and Mucilage
 and an Acid is demonstrated in Sugar;
 Vegetable Acid is not essentially necessary
 Doct^r Cullen who supposed Vegetable
 Acids entered into the Composition of
 Animal fluids had no Idea the fossil
 did Vegetables are not requisite to Animal
 life some of the most healthy Nations
 Subsist without: even in Scurvy it is not
 Necessary fresh Meat is as much a Medicine
 as Vegetables in Scurvy.

Doctor Cullen supposes all Matter in
 digestion undergoes a ferment, in this however
 he is mistaken; the contrary is as clearly
 established as any point in Physiology.
 To our Country man Doct^r Bland of Virginia
 belongs the honour of having first introduced



the doctrine of digestion being performed by the Gastric Juice in his Inaugural Essay, which was afterwards taught by the Abbe Spallanzani and Sir John Hunter: with some plausibility it is said; put Vegetable Matter under the same circumstances as that in the Stomach as for instance in a bag and it will ferment. But why will not the blood in the Veins of a living person putrify, when the same blood under equal circumstances will in the Vessels of a dead person?

Doctor Hardier examined the contents of a Dog's Stomach four hours after he had eat and could detect no Acid. —

Doct. Hunter and Hardier examined the Contents of the Stomach of Cows, Sheep and Rabbits, but could detect no Acid. The Hawks and the Eagle can not digest bread which

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they would with as much ease as meat if it depended on a ferment and heat.

Doct^r Wilson a late Graduate of this University could obtain no Spirit from the contents of his Stomach: Nevertheless I believe an Acid is sometimes present in the Stomach, but digestion is then imperfect.

Doct^r Moore, supposes an excess of Acid to arise from a Morbid Secretion of the Stomach as in Cases of dyspepsia. There are few if any Nutrients obtained from the Mineral Kingdom they are nearly condiments.

Chyle is never found in the Stomach, hence Food is not perfectly digested in this Organ; in proof of this the pylorus has been tyed and the Absorbents of the Stomach have been found distended with a limpid fluid. I believe Chyle is formed in the whole tract of the Primæ Viæ. Doct^r Haller found

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Lactical even in the Rectum. —

Sugar. This is one of the most nutritious Articles used in the food of Man and Vegetables are Nutritious in proportion to the Quantity of Saccharine they contain; it is obtained from beets; the date, fig and Raisin are among the most Nutritious articles, I have lived by the advice of Doct. Cullen when in Edinburgh for six Months for the Gout and Figs and Raisins only: Farina and Sugar are mutually changed into each other; in Making the Farina is changed into Sugar hence in Vegetables we at one time obtain from them a great Quantity of Sugar and at another Farina.

Doct. Willis observes that Sugar freely used caused emaciation and Dr Boerhaave entertained a similar Opinion; but we have sufficient proof to discredit this Hypothesis. —

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Doctor Hain relates in the Philosophical Transactions, the case of his grandfather who for the last twenty years of his life, Subsisted on Sugar; he eat it on bread instead of Butter and used it with Meat and every thing he eat and died at the age of ninety eight of a Pethora.

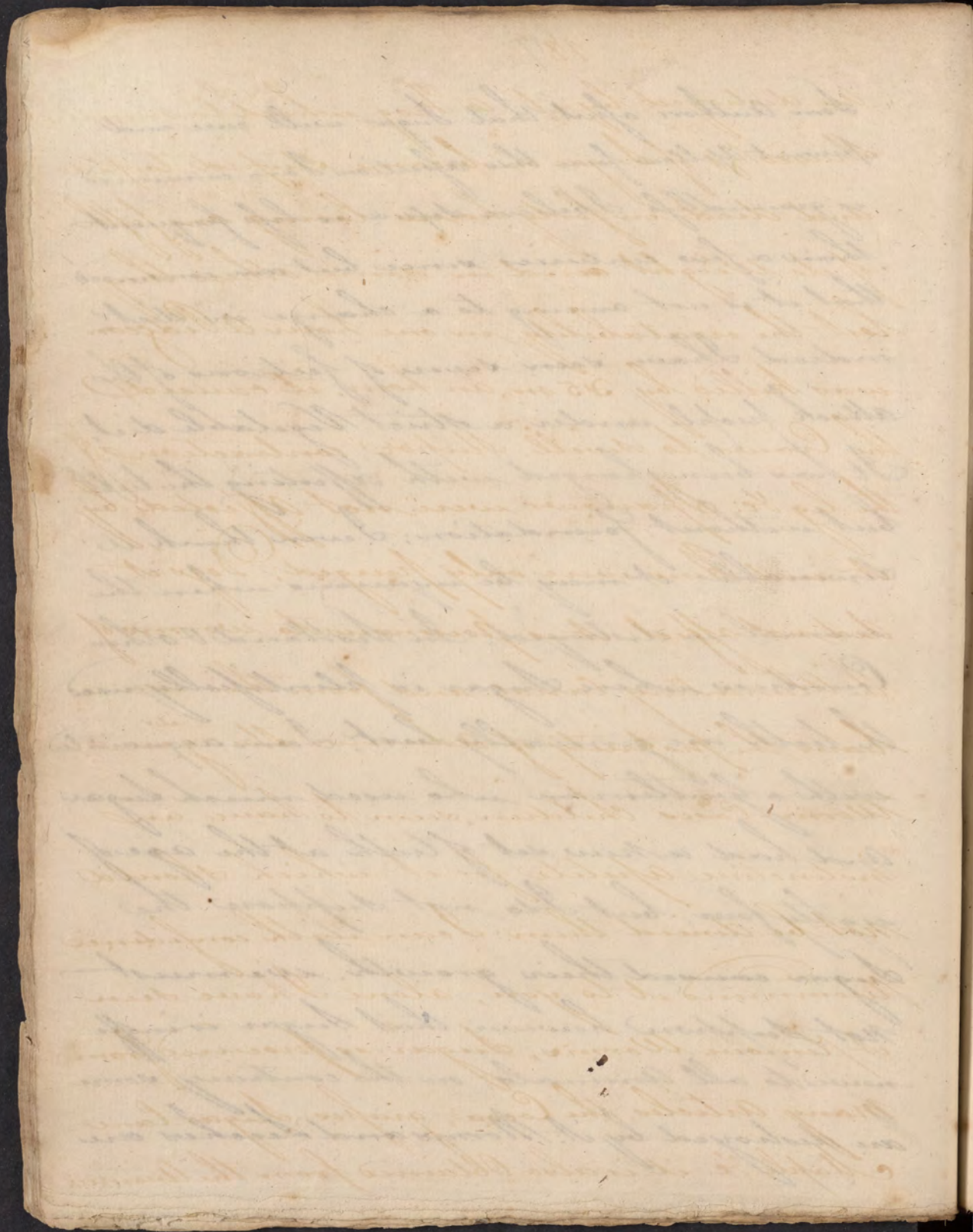
Doct^r Hunter was so well convinced of its Nutritious property that he regularly prescribed it in cases of emaciation & convalescence particularly after a Salivation. I have myself experienced the good effects of Sugar in imparting strength & plumpness to the System; I have been necessitated to live on a Vegetable diet to prevent Gout. Sugar is likewise Nutritious to certain Animals; one pound of Sugar will support a Horse much better than a larger quantity of any other article.

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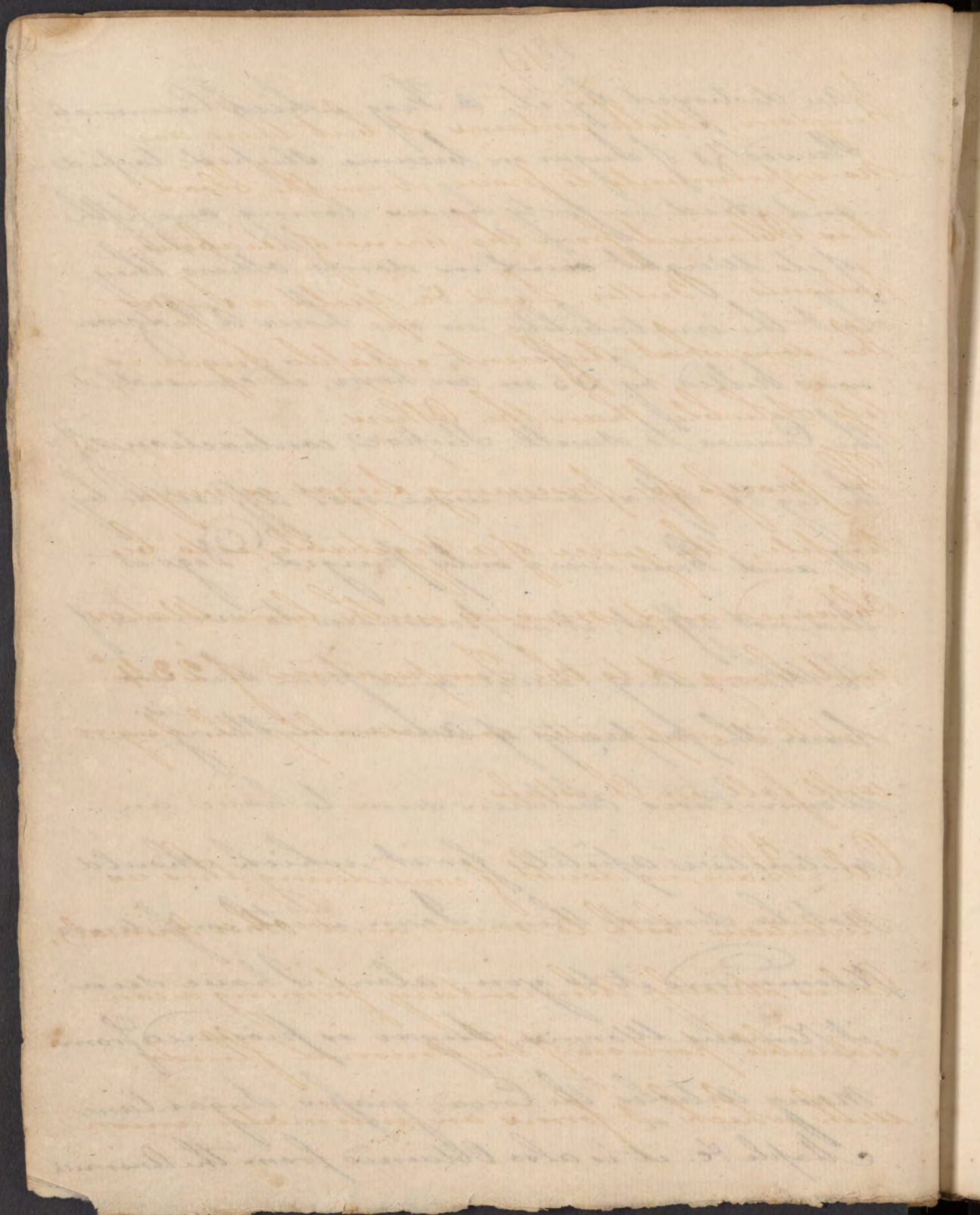
the Hogs in the West-Indies eat Sugar. the Culture of Corn which affords nourishment to Animals produces a large quantity of Sugar. it is highly Antiseptic; the Antients were not ignorant of this; they frequently used it to prevent putrefaction; this is proved by an experiment of Becher who immersed pigs and Chickens in melted Sugar and found it preserved them a long time: it is said to cure and prevent Scurvy; it is certain that Scurvy is unfrequent in the West-Indies or other Places where Sugar is used in great quantities. Dr. M.^r Bide recommends Wort in Scurvy and probably knew not that it Cured by the Sugar it contained. Dr. Fother mentions its use: it is true that Sugar cures Scorbutic gums, externally applied it is equal to any thing else. —

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Doct.^r Stork took eight ounces of Sugar with
 Forty Ounces of Bread and continued this diet
 for two Weeks; his mouth became sore and
 Ulcerated his gums placid and after some
 time purple spots appeared on his Shoulders;
 he then left it off and returned to generous
 diet and Wine; during the time he lived
 on Sugar he had three or four loose Stools
 a day; this is a strong fact in Opposition
 to the prevalent Opinion of Scurvy as it proves
 that Vegetable diet containing Oxigenic will
 induce it. he found that two pints of Water
 was necessary while living on bread and
 while using the Sugar three and a half.
 I have heard of a case of Scurvy which
 appeared for the first time under a
 Vegetable diet. Scurvy is much less
 frequent in Denmark since the introduction
 of Coffee in which Sugar enters; —



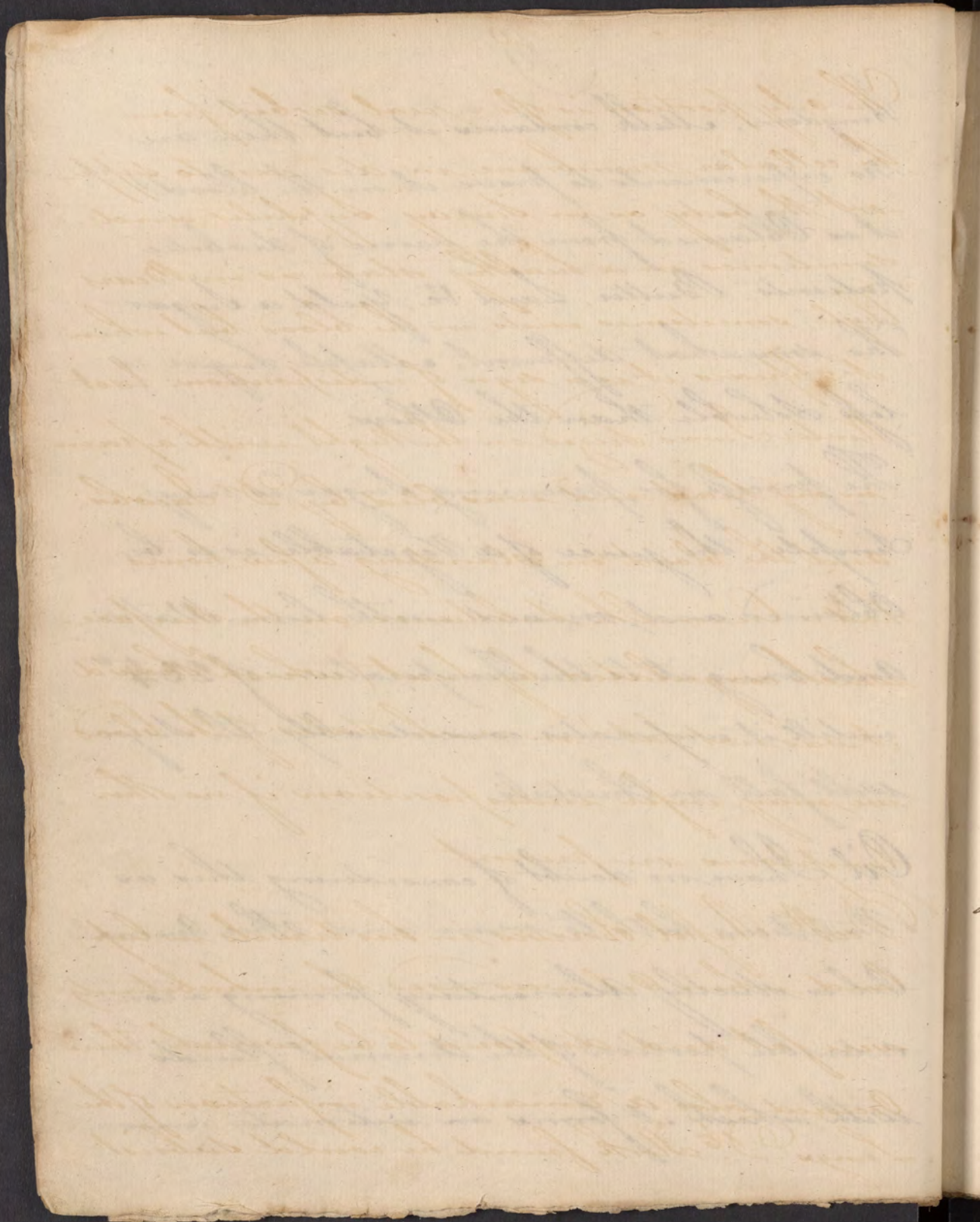
are destroyed by it, a Frog which Carnimate
 threw $\frac{3}{4}$ of Sugar on became stupid, torpid
 and died in forty hours losing one fifth
 of its weight and in some others they
 lost the irritability in one hour a Pigeon
 was killed by $\frac{1}{5}$ in an hour, it caused
 the Cranes to swell, Stupor, contraction of
 the leg &c. Sparrows were not affected by
 it, and Hens were only purged; Dogs it
 did not affect; it is poisonous to worms of
 the Alimentary Canal and from this we
 learn the propriety of administering ^{it} string in
 Worm-Cases children seem to have an
 instinctive appetite for it which should
 not be denied them: I can with confidence
 recommend it to you, alone I have seen
 it remove Worms, Sugar is procured from
 many articles, the Cocoa, grasses, Sugar-Cane
 Maple &c. it is also obtained from the Animal



Kingdom; Milk contains it but there are no experiments to prove it in the blood. It is Obtained from the urine of diabetic patients, Butter, Lard &c. yield a Sugar tho' somewhat different, Maple Sugar is less Soluble than the Others.

The process for procuring Sugar is very Simple; the juice of a Vegetable is to be Obtained and mixed with lime Water and bring it to the Temperature of 234° untill it evaporates considerably; the Sugar will fall in Crystals.

Oil. I have no doubt of considering this as Nutritious both to man and other Animals, Oil is strictly Alimentary forming a considerable portion of the Animal fluids with which it forms an intimate union;



The oily portion is often real sorbed from the cellular membrane in des. case to support the body as in Survy Syphilis and sometimes in a healthy state as in Bears Chyle, sometimes exists in the blood but when it appears it is a sign of indisposition. Last Winter I was seized in the Night with a pain in my head and was bled by Dr. Jacobs and the blood on standing a few hours had a Cream like substance on the Surface which coagulated by heat (which shew'd it was not fat) in such states of the blood we may infer indisposition if no other Symptoms are present.

Doct^r. Rußel observes in his travels in Lapland when Oil was used the inhabitants were fat and disposed to be feverish; there Occured also a remarkable infaction of the Lungs. Dr. Stork found he could subsist

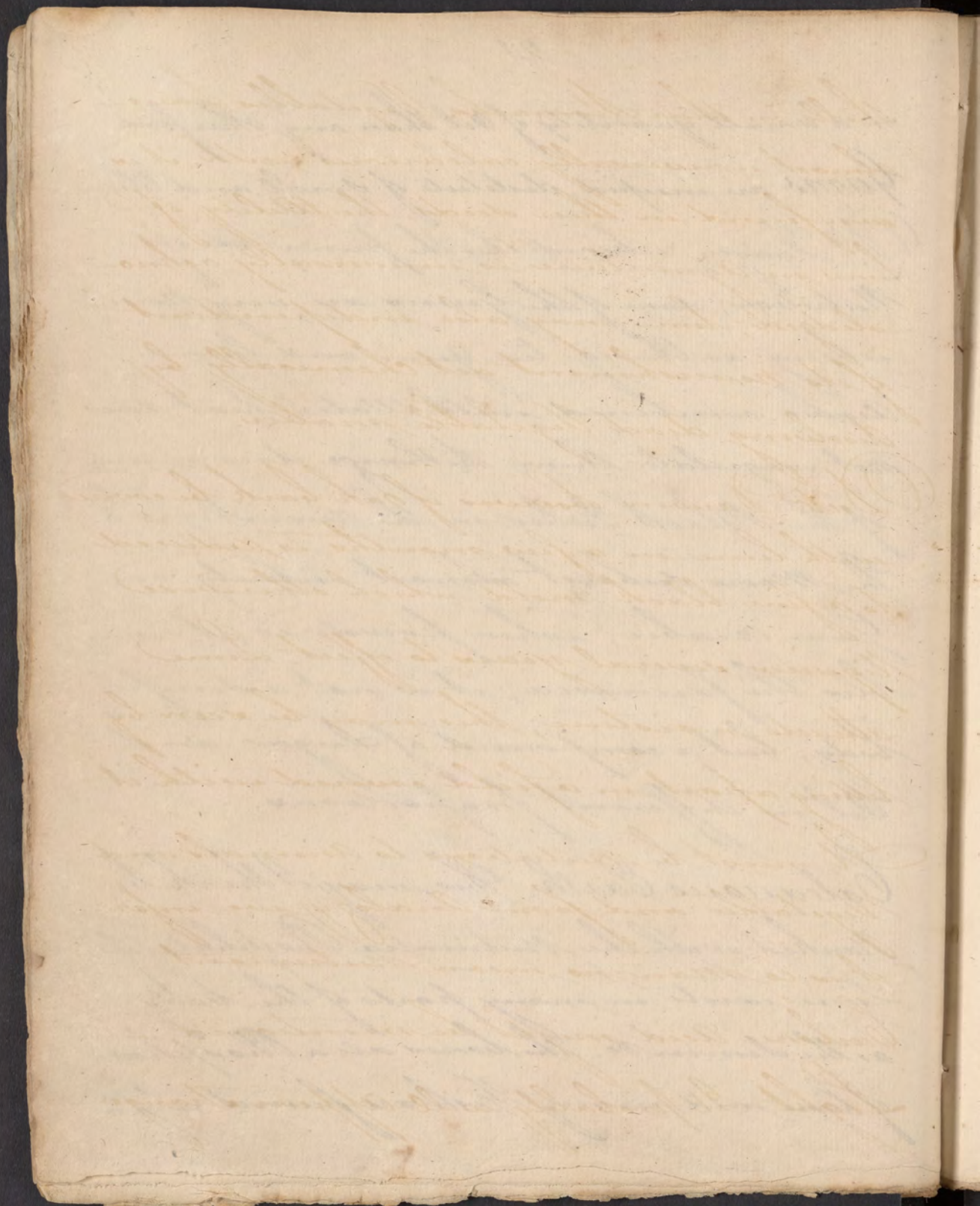
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on a small quantity of Oil than any other food.

Gums. are insipid, destitute of smell and colour.

Dr. Fordyce reckoned this the principle of Nutrition; some of the Gums are very nourishing as Cherry-tree gum and Gum Arabic combined with Water; heat does not coagulate them. Licharge does many of the Black Tribes on the river Niger & the Moors subsist almost entirely on Gum Arabic; when powdered it resembles the farinacea; it is not a simple body, but a compound of Sugar and Oil in different proportions.

Calcareous Earth. This may I think be ranked with the Nutrientia Phosphate of Lime exists in many parts of the body as the Semen &c. The bones are a Phosphate of lime and many Fish are found with



Shells in their Stomachs. Vegetables have almost universally calcareous earth, it is even found in their seeds; the utility of lime in Agriculture is universally acknowledged; lime may also independant of its nourishment act chemically by dissolving dead Vegetable matter.

Doct. Darwin observes if oak bark be covered with lime in a few months is reduced to a fine black mold which otherwise requires several years to effect. Lime attracts moisture; this may be seen by sitting apart in a field covered with it. It must be nutritious to Animals and Vegetables and from Analogy we infer it is to Man no mean Nutrient. Carbonic Acid might be mentioned. — Light. It probably will appear strange

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to rank light with the Nutrientia, but when we see plants pale & sickly if deprived of Air and that they regain their Natural and vigorous state by its presence and that the same occurs in Animals we may presume it has influence in imparting Vigour to the human body.

Milk, is not homogenous but separates into Cream, Curd and Whey. This separates after some time exposed to the Air, which is quicker in proportion to the larger surface exposed; it acquires a siccidity by long exposure to Air: Thunder will hasten the siccidity.

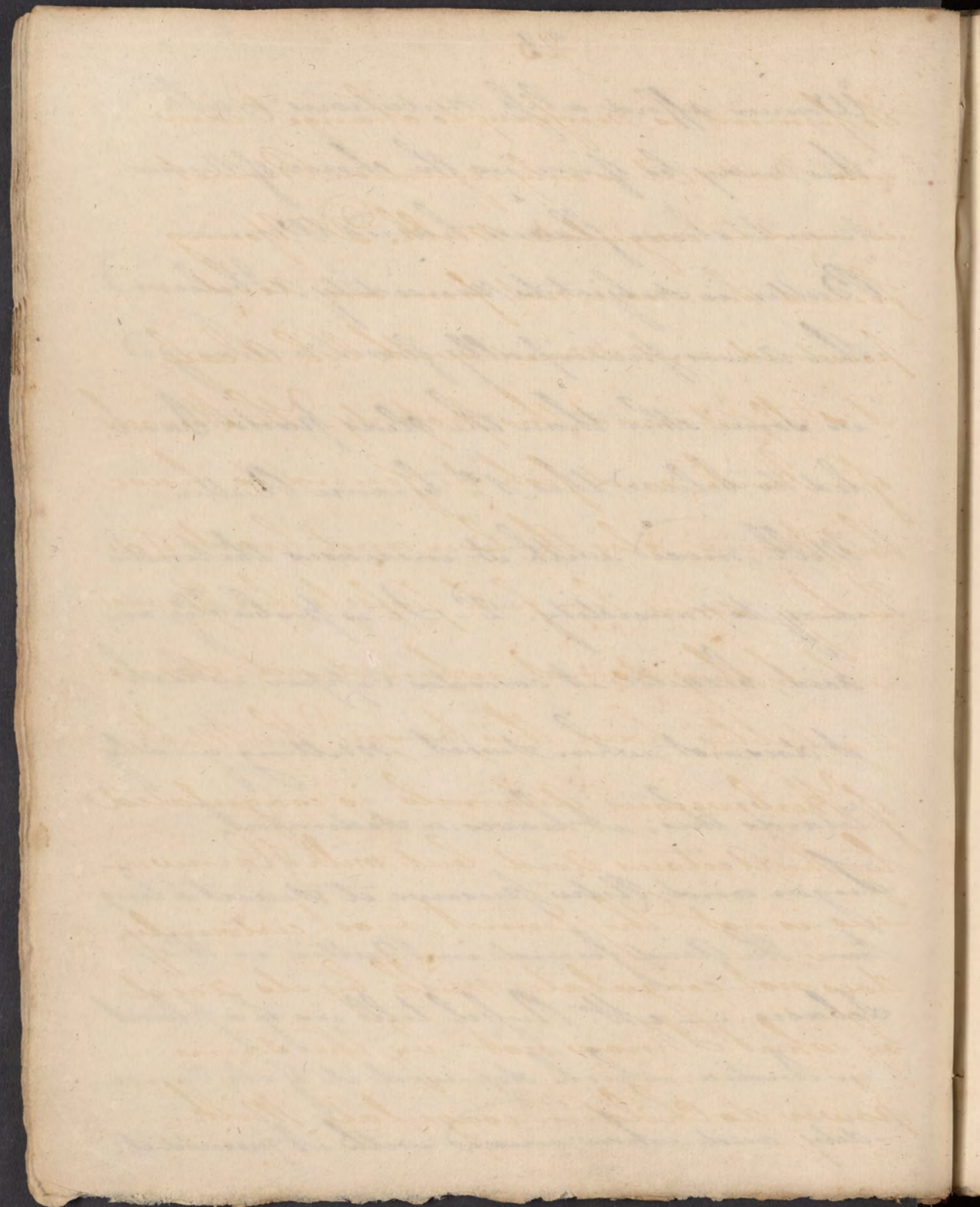
It is observed red Cows afford the most Cream. it is said light haired

1790
The first of the year
was a very dry one
and the crops were
very poor. The
winter was also
very dry and the
crops were very
poor. The spring
was also very dry
and the crops were
very poor. The
summer was also
very dry and the
crops were very
poor. The autumn
was also very dry
and the crops were
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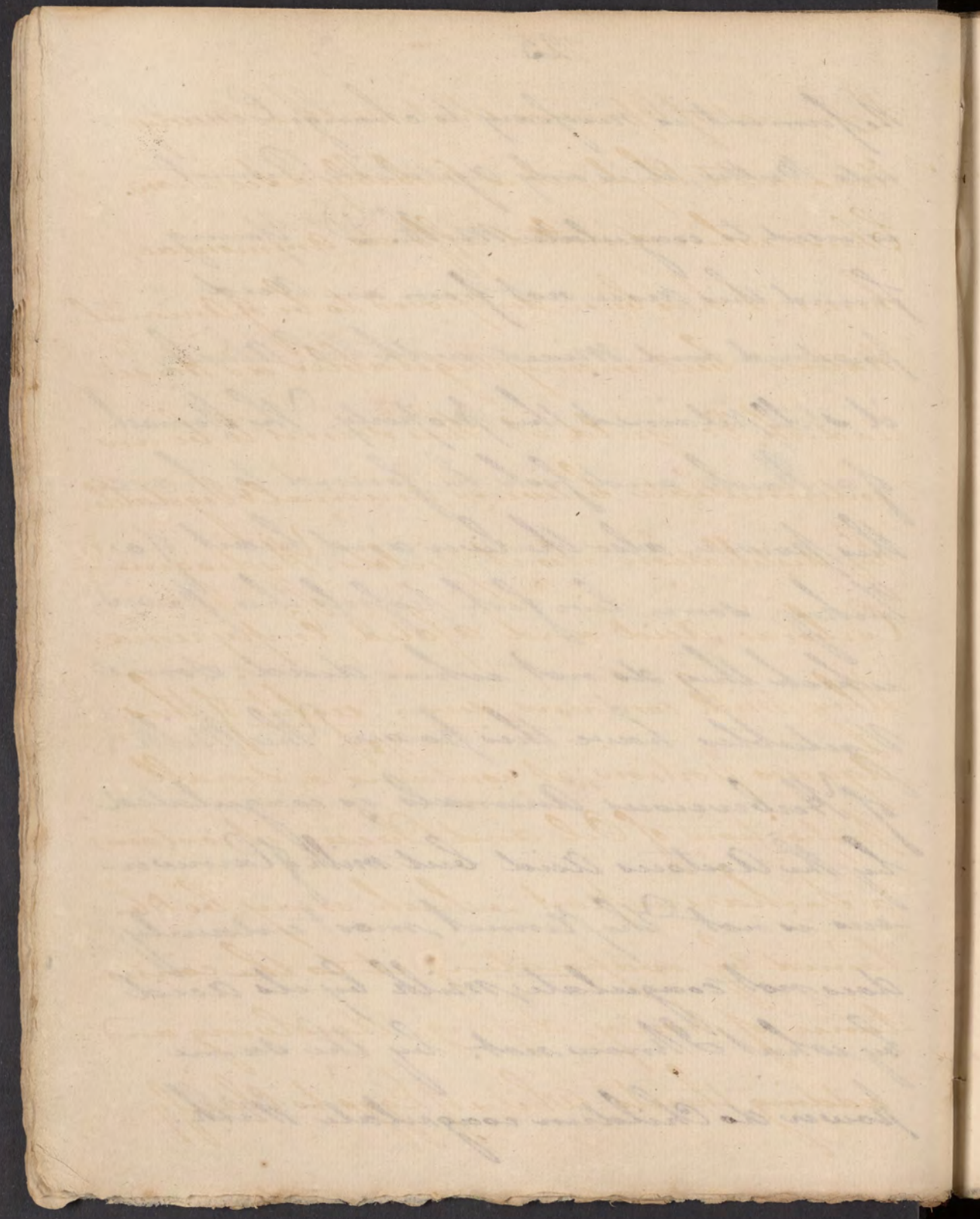
Women afford a life nutritious milk,
 this may be of use in the choice of Nurses
 Never to choose flaxen haired Women.

Butter is subject to rancidity, I believe
 this arises principally from a change
 in some other than the oleas parts: I am
 led to believe this 1st because Butter-
 Milk mixed with it increases the tend-
 -ency to rancidity. 2^d It is probably an
 acid, because it corrodes Copper which
 it does not when sweet. Metting greatly
 Retards this; it leaves a sediment.

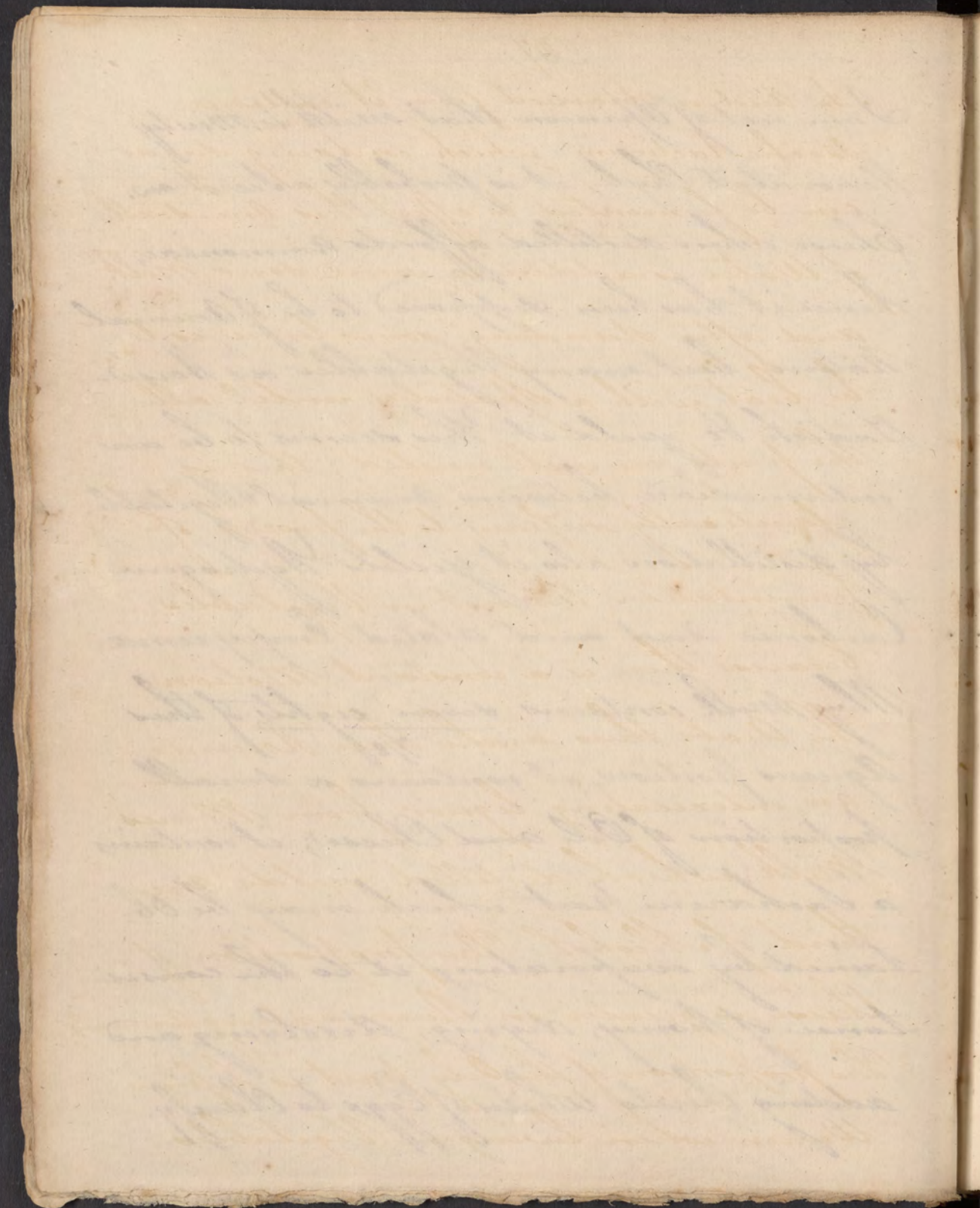
Sugar and Nitro preserve it Sweet a long
 time, the Acid found in Butter is the
 Sebace. — Mr. Nussel tells us of a plant
 in India which deprived it of its Ranci-
 -dity, and when mixed with it preserved it.



No ferment is necessary to change Cream into Butter, it is only agitation. Rennet is used to coagulate Milk. Dr. Young found this rose not from an Acid powdered and mixed with Vol. Alkali, it still retained this property. The Stomach of a Hawk and fish he found to have this power, also the liver and heart of a Turkey, some live fish possess this power which they do not when dead. Some Vegetables have this power. The Milk of Herbivorous Animals is coagulated by the Acetous Acid but milk of Carnivorous is not. The Rennet most certainly does not coagulate milk by its acid by what I know not. by the same power do Children coagulate Milk.

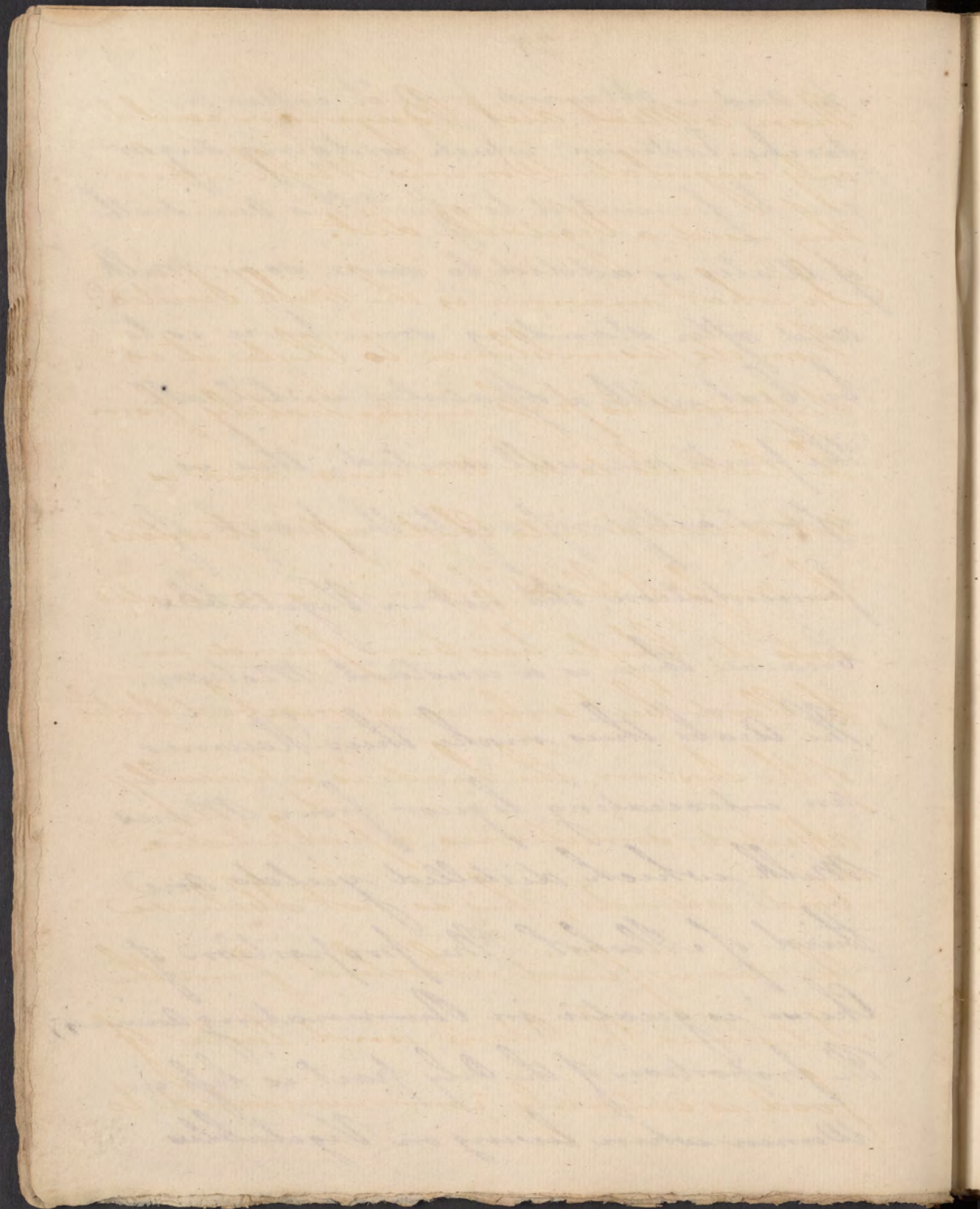


I am not of Opinion that milk is merely
 Renovated Chyle, it is probably a secretion.
 Cheese when distilled affords Ammoniac,
 hence it has been supposed to be of Animal
 Nature, but many Vegetables as Horse-
 Radish &c. yield it This seems to be an
 intermediate between Animal & Vegetable.
 by distillation also it yields Hydrogen
 Carbonic Acid and a fetid Empyreume.
 Why, Milk contains seven eighths of this
 Aqueous portion, it contains a small
 proportion of Oil and Cheese; it contains
 a Saccharine part which may be ob-
 tained by evaporating it to the consis-
 tence of honey, drying, dissolving and
 adding thereto Whites of Eggs to Clarify.



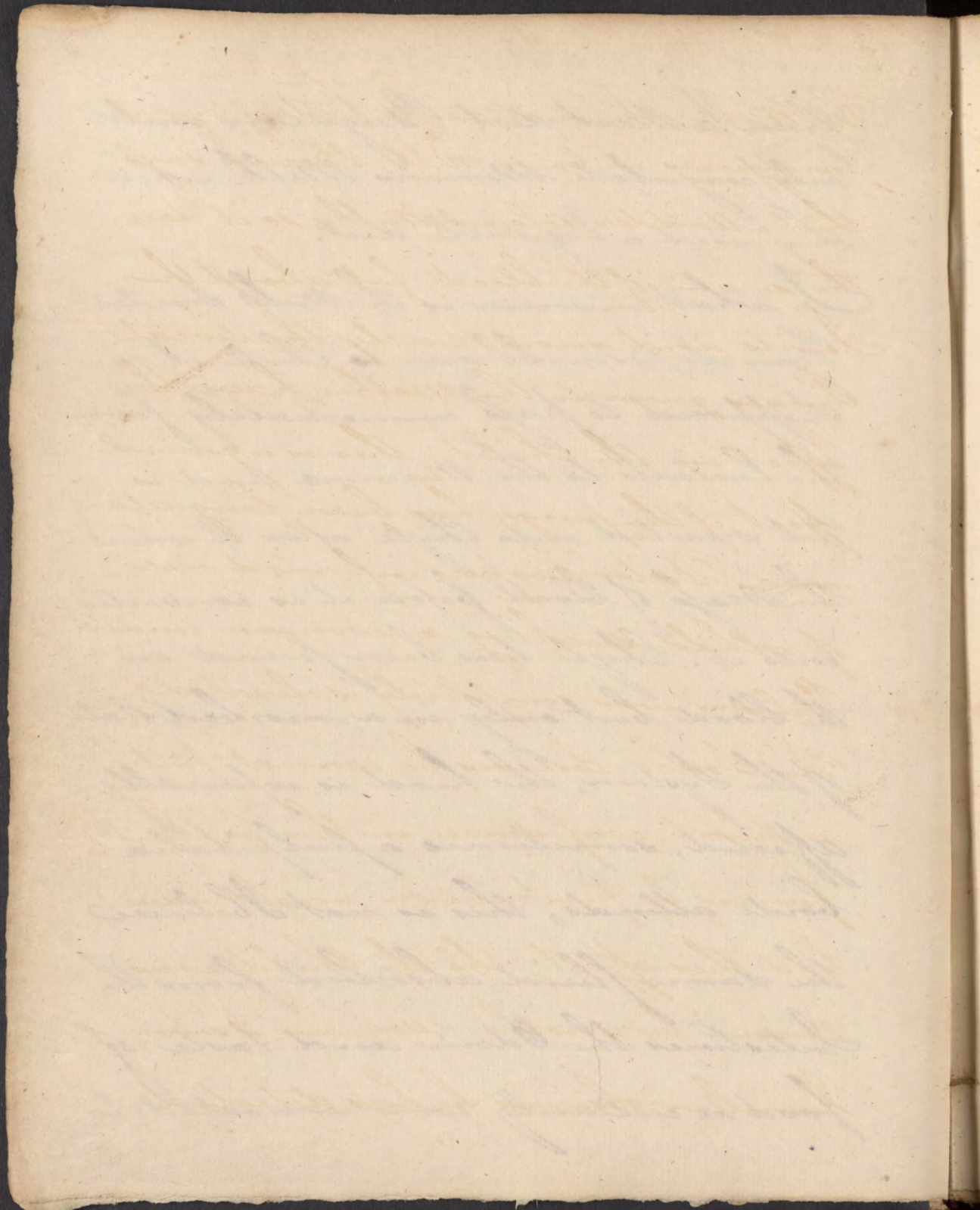
. In Acid is obtained from it called a
 Saccho-lacticum: which containing Sugar
 can be fermented to effect this One-sixth
 of Water is added to some sour Milk
 and after standing some time is to
 be beat with a Spatula until all
 the parts are well united; this is
 essentially necessary to the process of
 fermentation, tho' not in Vegetables
 because there is a constant Motion.

The Arabs thus make their Hourris
 an intoxicating liquor from Mares
 Milk which distilled yields one
 third of Alcohol. The proportion of
 Cheese is greater in Ruminating Animals;
 The proportion of the Oily part is less in
 Women when living on Vegetables



than a Meat diet. Bergman could only coagulate Womens Milk when they used a Vegetable diet.

In what manner is the Milk Secreted? From its resemblance to Chyle it is supposed to pass immediately from the lacteals to the Mamme and is not secreted into Chyle after it enters the mass of blood before it is converted into it. Chyle has been found in the blood but only in a morbid state of the System, the head is especially affected, sometimes a palpitation corde attends; this is not I believe the same fluid absorbed from the Intestines the Odour and taste of food is certainly communicated to



The Milk; the smell and taste of Vegetables appears in Cows Milk; Berius says that Madder colours Milk, so it does the serum of the blood, fat about the Joints and more rarely the sweat. Purges given to the Mother have the effect on the Child; this is a general effect if the purge has been long retained. Doctor Cooper informed me of a Child sucking a woman under Palisore was completely salivated; The Doctor observes he cannot put implicit confidence in this as the fumes by perspiration might have had this effect; tho' the Child was nursed by another woman. Doctor Hamilton observes he has detected

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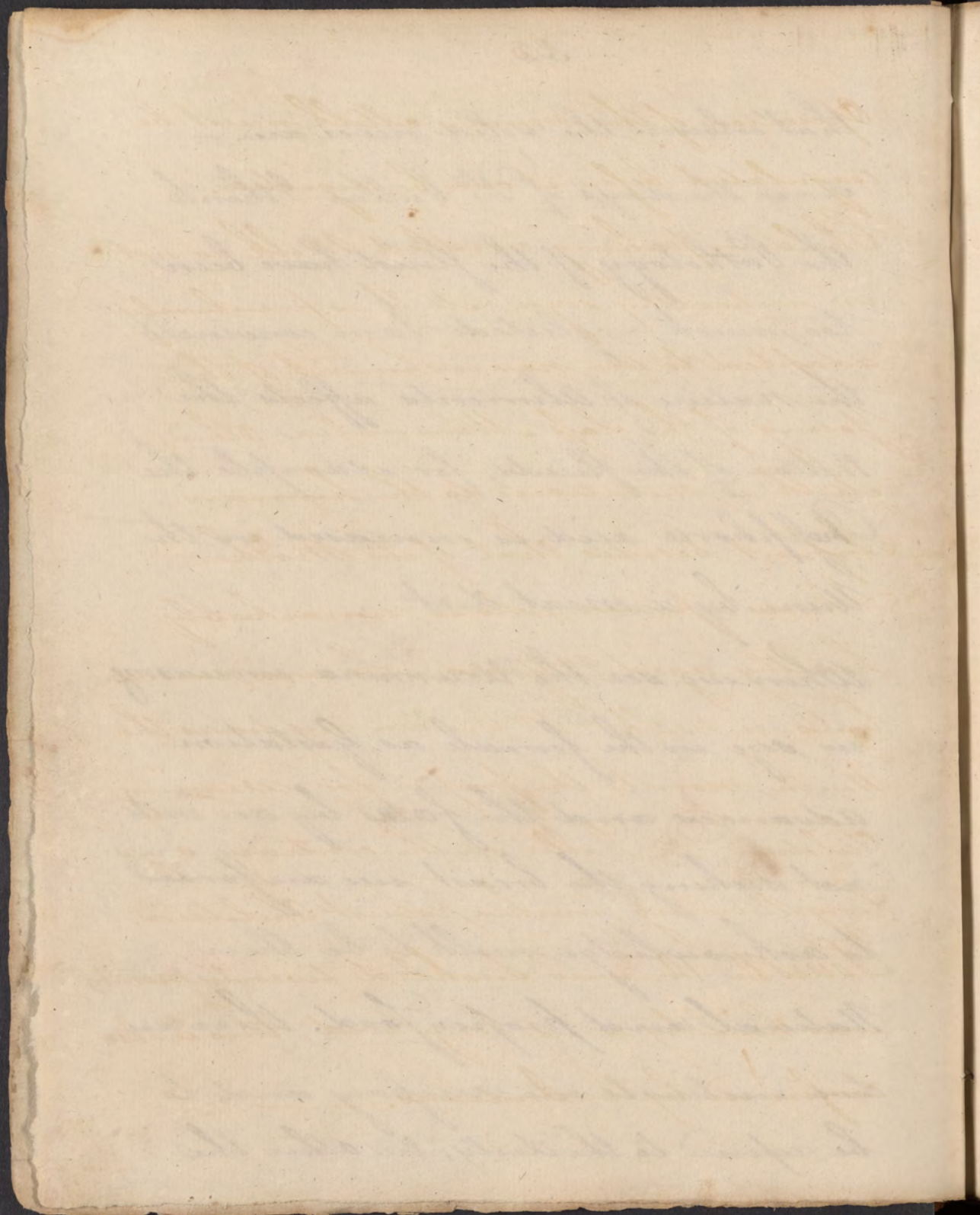
Globules of Mercury in the Milk of a Woman under Picalism by slow evaporation. I have myself been Salivated by being in a room where a person was taking Mercury and Dr. Hoffman says Children have been intoxicated by sucking a drunken Nurse. The following occurred under my own Observation; to a Woman I gave 2 grs. of Opiu, it had little or no effect on her, in two hours the suckled her Child it immediately went to sleep and lay comatose for 24 hours, fluidity of diet greatly increased the Secretion of Milk. Some Women are subject to Costiveness during

during lactation; I know two Women who dread lactation on this account being quite free from it both before and after. The Oil and Cheese are Secreted from the blood the Sugar from the Saccharine Matter. The Milk of Bitches fed on Vegetables may be coagulated by Vinegar, but is more alkaline if on meat and not coagulable. Sugar is found in diabetic patients, the quantity is increased by a diet of Sugar. Odours in diet of Females are communicated to the Milk, Saffron colors the Milk, it is the fluid parts

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that coloured the solid never are. —
 Since the days of Dr Cullen I think
 the Pathology of the fluid have been
 too much neglected I am convinced
 the nature of Aliments affects the
 Nature of the fluids, for example the
 Phosphoric acid is increased in the
 Urine by a meat diet.

When we see the Uterus increasing
 in size in the female as Gestation
 advances and the fetus by an insti-
 net seeking the breast we are forced
 to acknowledge milk to be their
 Natural and proper food. there are
 two instincts one necessary and to
 be referred to the deity, the other the

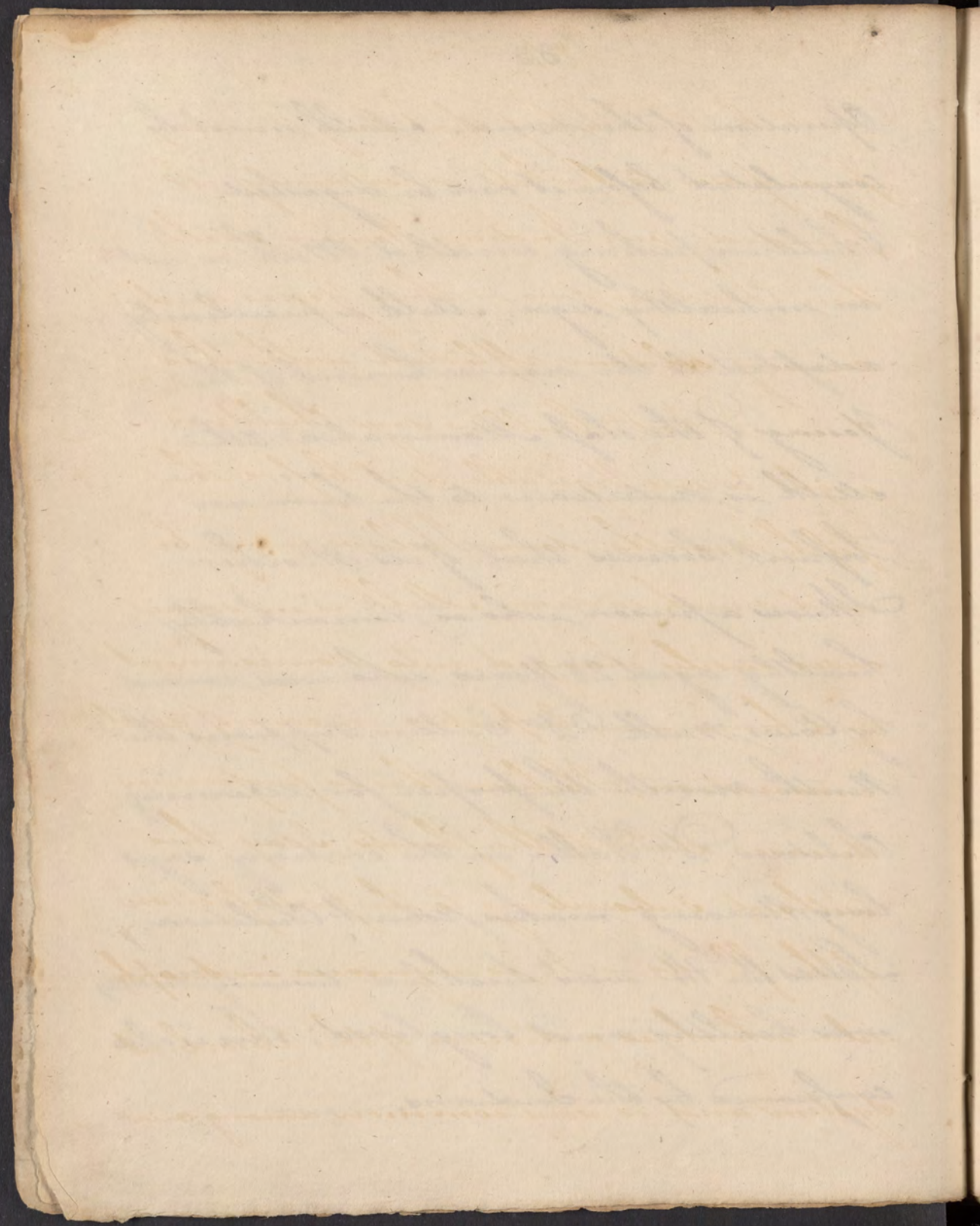


Operation of the mind. Milk must be coagulated before it can be digested.

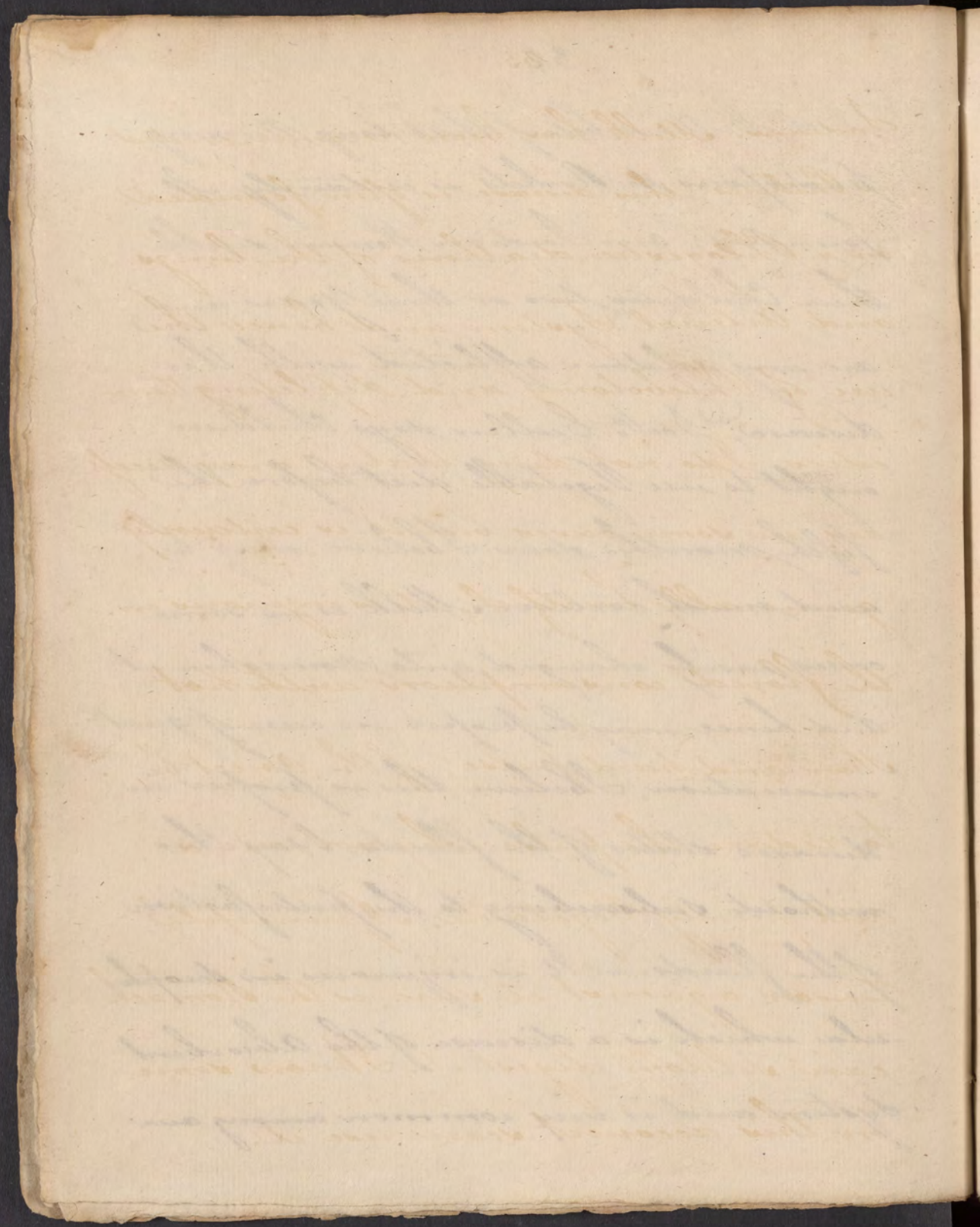
Children puking curdled Milk is not an unhealthy sign. Milk is peculiarly adapted to the nourishment of the Young of the class Mammalia. Other Milk is nutritious to the human Infant besides that of its Mother.

I know a person who is remarkably healthy aged 28 Years, who was raised by Cows Milk. Dr Cullen supposes the Ninth month the proper for weaning Children, Dr Haller on the contrary says Long Nursing makes robust Children.

Louis the 14. was Suckled twenty months was healthy and long lived; this is also confirmed by the Indians. —



Doct. Cullen's belief that long Nursing predisposes to Rickets is certainly ill founded; our Indian Women suckle their Children two or three years and are very seldom afflicted with this disease, Doct^r Cullen says children ought to use Vegetable diet before the fifth month: some I believe may be used much earlier. Milk is in some cases easily changed into nourishment and hence may be proper in case of great emaciation, I believe this is proper in diseased states of the fluids, I say this without subscribing to the putrefaction of the fluids. It is injurious in scroph-ula which is a disease of the absorbent system and is very common among our



Indians. Milk has been recommended in Pthisis; this disease is often founded on a Phlogistic diathesis of the lungs and Arterial System and hence the use of Phlebotomy and depleting Remedies. I do not deny that it may necessary in some cases but it is certainly generally hurtful; it is injurious in the florid consumption with hot skin and hard pulse; if the Object be to reduce the pulse why not use a diet purely Vegetable. A principle Reason against it sure is the Stomach can seldom digest it. I know some on this account scarce use it.

I myself uniformly became feverish and experience a head-ache if I use Milk & neglect exercise: but when I ride I easily digest it. —

Doctor Cullen much surprises me when he says Milk never creates a plethora.

I know a Gentleman in this City who from long experience learnt that when using Milk he has head-ache, fever &c.

which exercise prevents. I shall conclude this with an anecdote of the celebrated beauty of England Miss Cecilia Parsonson when on her death bed she was advised to use Exercise and Asses Milk. she Observed a few hours before her death

Doctors should place confidence in those Remedies "Asses Milk was the Asses Remedy"
This shewed much good Sense & innocent Wit.

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Materia Medica.

I am now to treat of the *Materia Medica* properly so called; this as it is the most important is also the most difficult.

I shall begin with the Class of astringents, in doing this I follow Doctors Cullen, Speed-man and Gregory who, have each given a class by this title and I the more Willingly do it because their Operation is better understood than any other. —

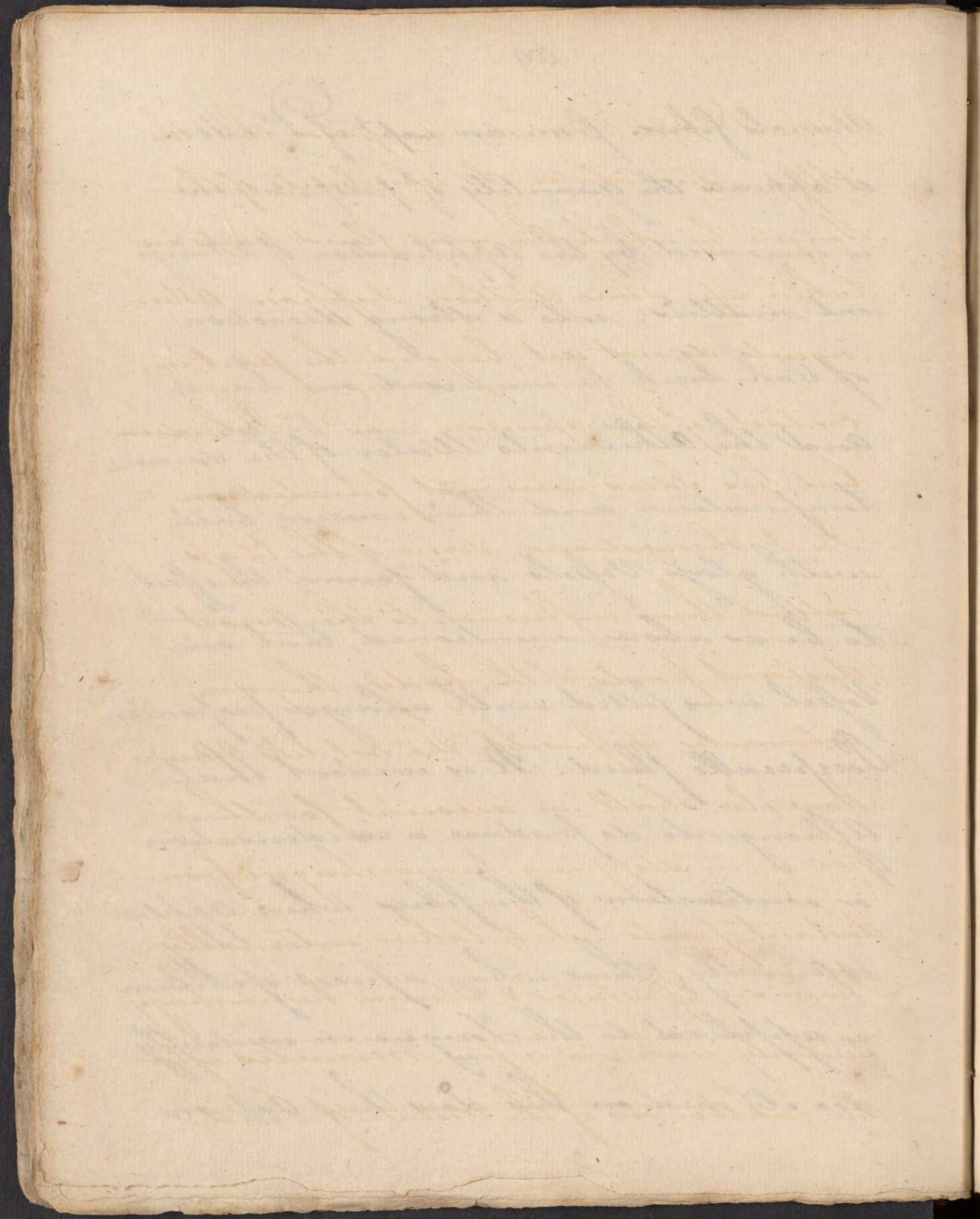
This Class is the *Sorbentia* of Dr Darwin which is a beautiful class but I believe not quite correct. they may be defined to be such substances as when applied to the Animal or Vegetable fibre produce a condensation or contraction of the fibre.

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by what means this is effected is difficult
 to say, whether by Abstracting or adding
 to the fibre. Dr Cullen supposes the act
 on living as on dead matter that is
 Chemical: by, this as a general rule
 is not true, they act in different ways;
 I think it probable some portion of the
 Astringent matter is absorbed in the
 process of Tanning and that this is
 the cure is proved by the Colour the Skin
 Acquires and the thickening and
 condensation in what is called Sole-
 Leather; but on the living animal's
 Skin it cannot penetrate farther than
 the Epidermis and Superficial Absorbents.
 Doct^r Moore of London says they have not
 the power of causing the contraction of

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Animals fibres. from an exp^t of Dr. Moon
 it appears the quantity of perspiration
 is increased by the Application of Astring-
 ent matters; into a strong decoction
 of Oak-bark he immersed one hand
 and the other into Water of the same
 temperature and then covered both
 with glass Vessels and found the effect
 to be as above mentioned, that one
 Vessel was filled with a larger proportion
 Perspirable fluid. It is evident that
 Astringents do produce a condensation
 or contraction of the fibres when applied
 externally; thus when a piece of Allum
 is applied to the Tongue we evidently
 see it, and on this does their action



depend. Doct. Darwin supposes that the Alum stimulates the absorbents of the Tongue by which the more fluid parts are taken up, some Authors suppose astringents do not act beyond the part in contact: of this opinion was Dr. Aberdeen but his Ideas were not founded on Just Observations, some of the Clafs extend their influence to the most distant parts of the body; they are extremely diffusible tho' not like Opium How else shall we account for their power in stopping hemorrhages from distant parts when taken internally. I have see Epistaxes & Uterine hemorrhagy suddenly cease in a few minutes after the exhibition of the acetate of Lead.

10

My dear friend
I have just received
your letter of the 10th
and am glad to hear
that you are well
and happy. I am
also well and hope
to hear from you
soon. I am
yours truly
John Smith

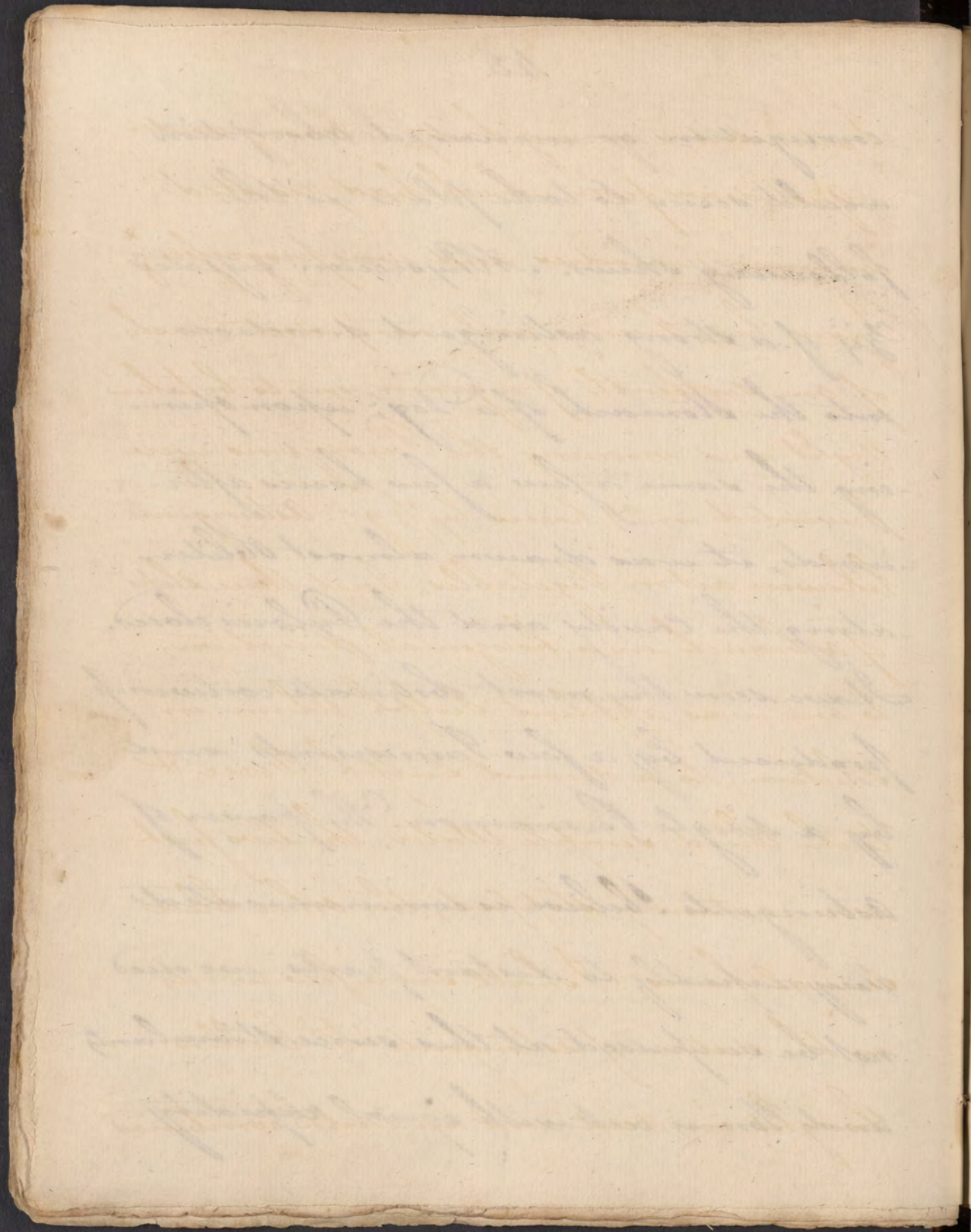
Dr Cullen supposes that they act on the
 Sensitive nerves and that shewing their
 effect so soon after they are taken into
 the Stomach they cannot be supposed
 to pass farther. we know that some
 parts of them are carried into the circul-
 -ation for when Madder W.^c is an
 astringent is used as an Article of
 Diet it colours the bones and almost
 all the Secretions. Nevertheless it can
 only be a minute portion and we
 cannot account for its effects by such
 a Supposition for the small quantity
 diffused over the System could have
 no effect. —

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Dr. Moore's Experiments proves that the perspirable vessels were dilated by the application of Astringents, he concludes no Medicines are Astringent, they are only so by imparting tone to the Stomach, I shall hereafter shew you this is fallacious, in the process of Tanning there seems to take place an attraction between the particles of the Skin & astringent Matter which some way coagulates or condenses the fibres. —

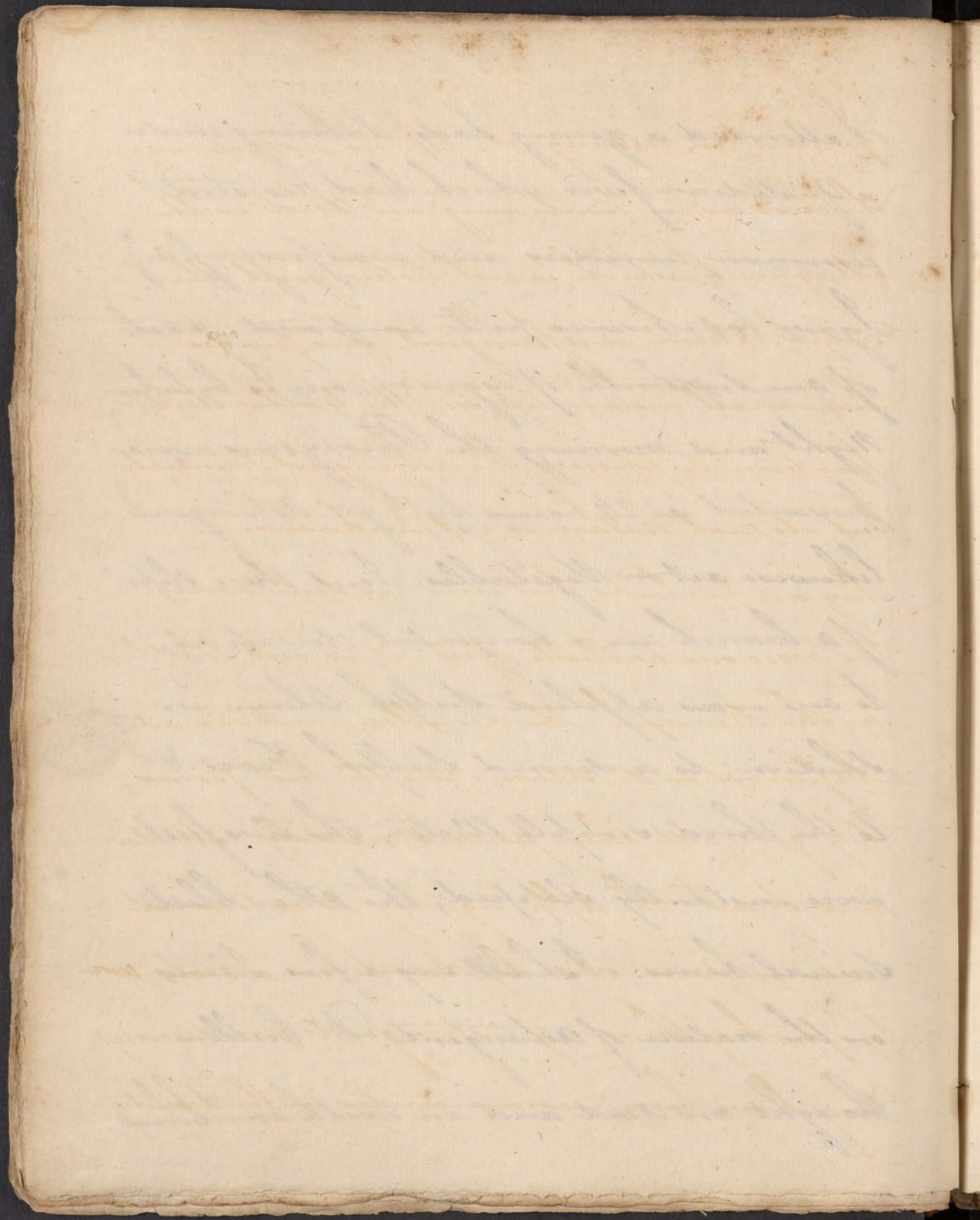
But the manner of Reasoning on dead matter ought to be excluded from the living body. In some cases a

corrugation or increased absorption
 would seem to take place as the
 following shews. A Physician injected
 ℥ij of a strong astringent decoction
 into the Stomach of a Dog; upon open-
 -ing the same a few a few hours after-
 -wards, it was drawn almost obliter-
 -ating the Cavity and the Pylorus closed.
 I have seen the most obstinate costiveness
 produced by a few Tamarinds and
 by a single Persimmon. The power of
 Astringents I believe is communicated
 very rapidly to distant parts. we need
 not be surprised at this since Stimulants
 and Tonics act with equal rapidity.



I attended a young Lady laboring under a quotidian fever which had resisted common remedies and was progressing.*

I gave her Arsenic pills, composed each of one sixteenth of a grain, one to be taken Night and morning the Paroxysms were prevented in 24 hours by $\frac{1}{2}$ gr. Astringents likewise act on Vegetables, I cut three slips of a branch in a horizontal direction, to one was applied Sulph. Alum in solution; to a second Sulph. Ferri & to the third simple Water, the two first were instantly stopped, the other bled several hours. I shall say a few words on the nature of astringents. Dr. Cullen thought an Acid and an earth combined

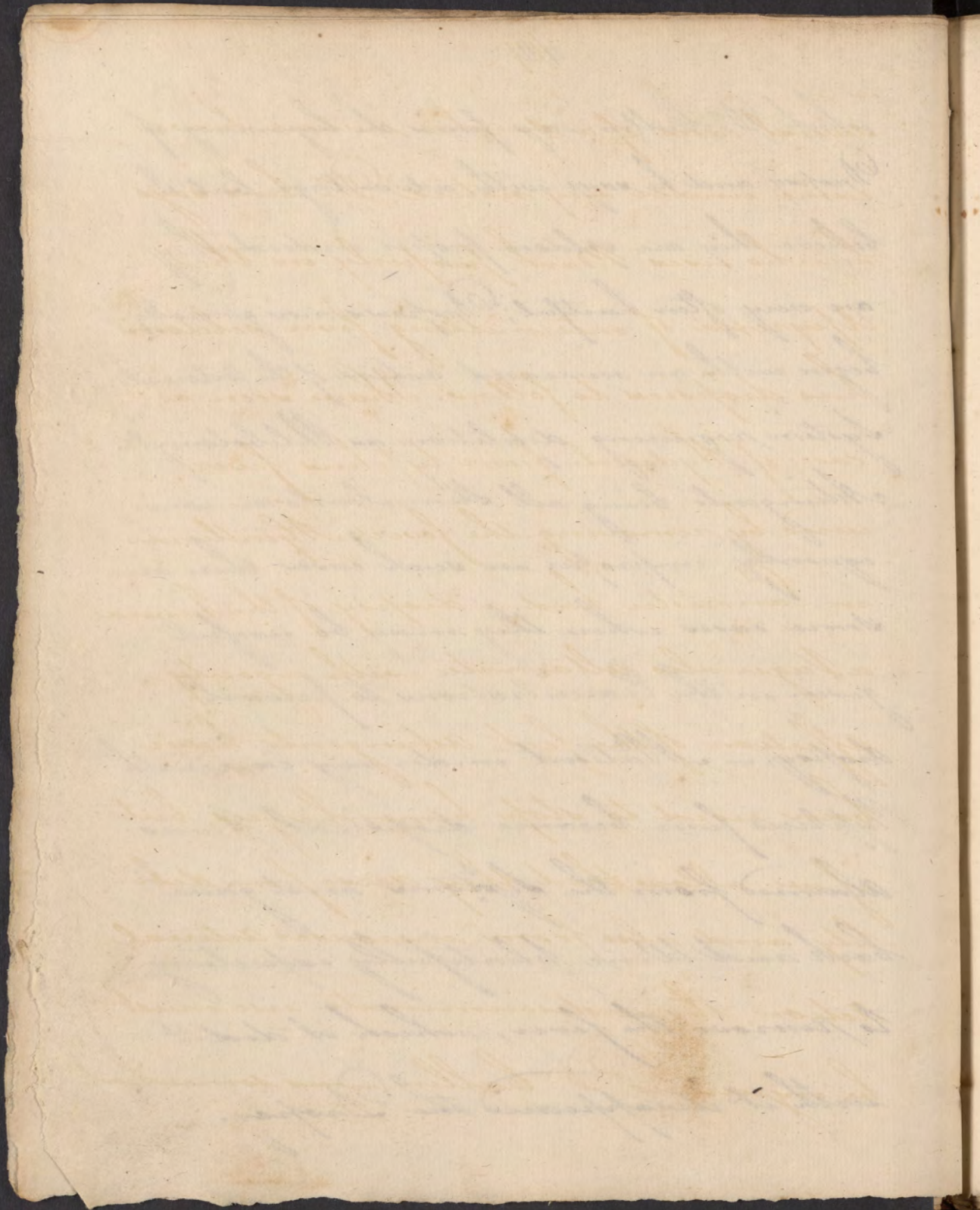


formed an astringent: this is not always the case as in combining an Acid with Magnesia which is not astringent. the Sulph. Alum. is astringent, this purges they are all more or less so The Gallic Acid has been supposed the astringent principle but its real Nature is yet unknown.

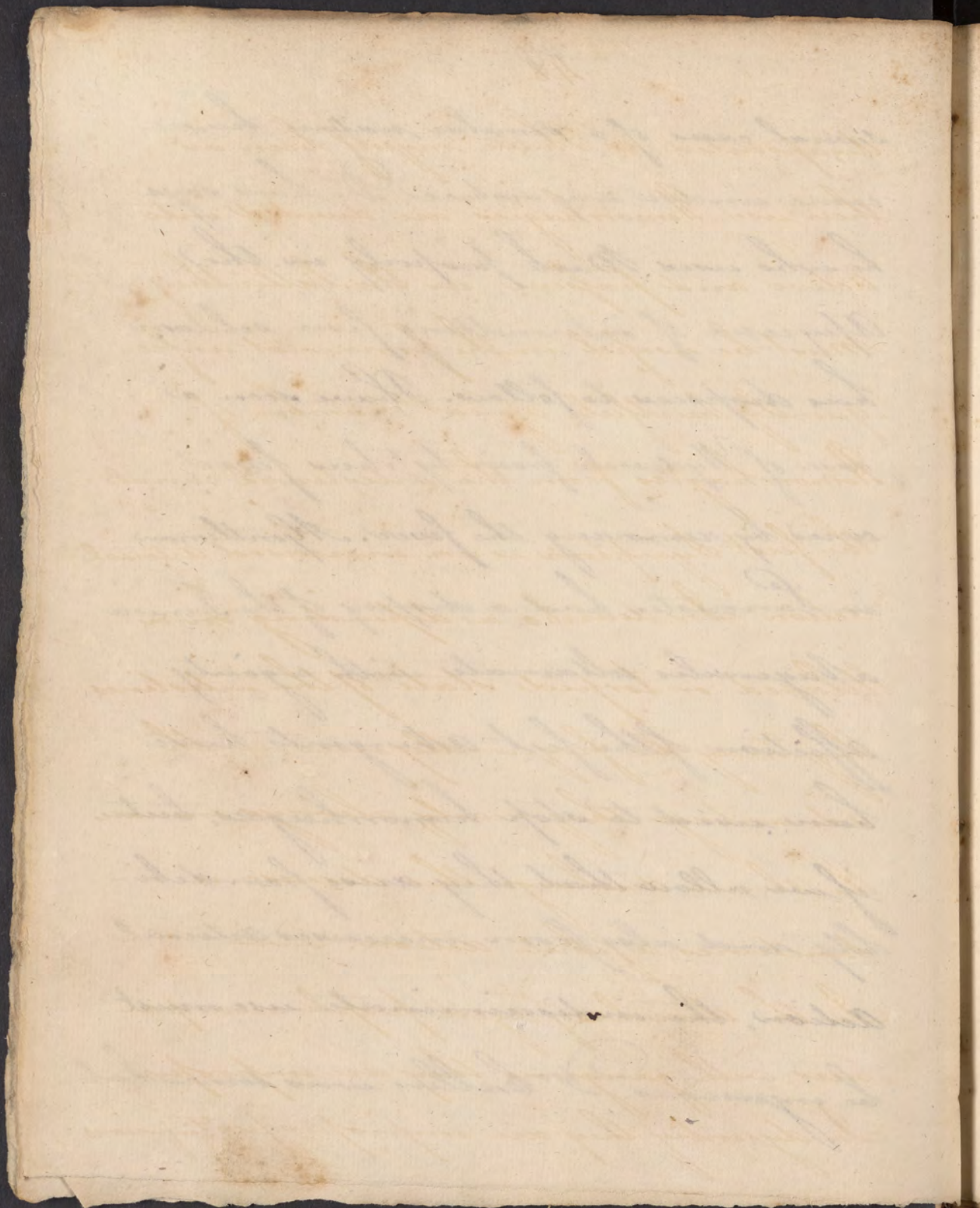
They are perhaps best used in substance the rescuous has little effect, it is not soluble in the Stomach: the distilled water is inter. Infusions or decoctions are the best forms; they give out their powers readily to Water and Spirit, the Astringency is extracted in large quantities by decoctions, I now am to speak of the use of astringents in disease: They have been recommended in the debility

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which Dr. Cullen says forms the beginning of
 Dropsy and he says with advantage but I
 believe they are seldom proper indeed they
 are very often hurtful; Dropsies more generally
 begin with an increased action of the Arterial
 System requiring depletion as Phlebotomy &c.
 Astringents being all Stimulants are cons-
 equently improper in such cases. there are
 some cases where they may be useful
 given in the Exacerbations to prevent
 dropsy. — A Patient under my care with
 Typhus fever became dropsical: I was
 alarmed from the ^{symptoms} and gave
 bark and Wine plentifully expecting
 to remove the fever, which it did &
 with it disappeared the Dropsy.

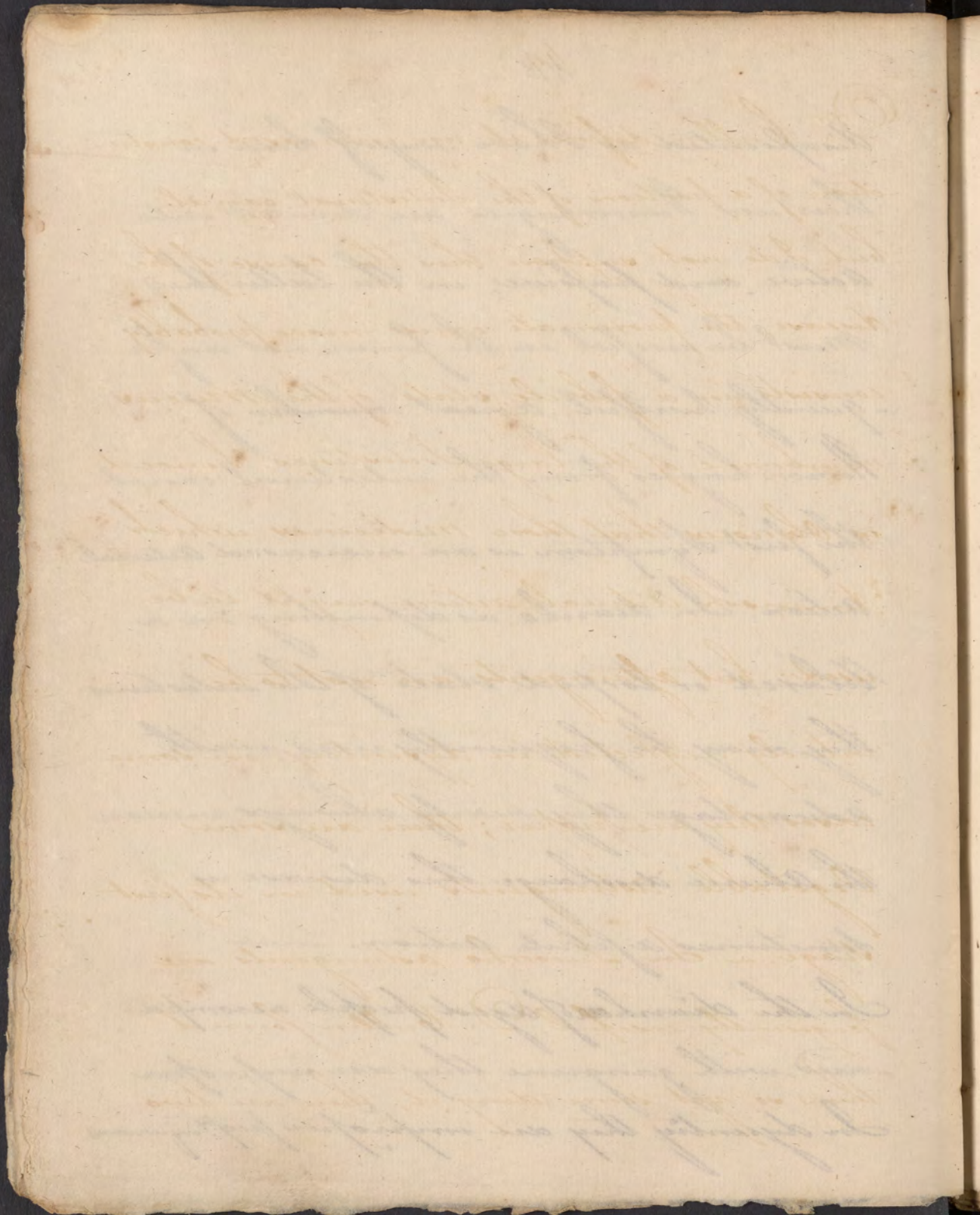


several cases of a similar nature have come under my notice. Dr Lind says he who uses Bark properly in the Ague of intermitting fever seldom has dropsies to follow. I have seen a case of Hydrocele from typhus fever cured by removing the fever. A Gentleman in Lancaster had a dropsy of the Tunica vaginalis attendant with a jointy affection of the feet. Astringents have been used to stop hemorrhages, but if we allow that they arise from debility and also from increased arterial action, the indiscriminate use must be injurious. Dr Cullen was somewhat



Disappointed as I have myself been in
 their use. Hemorrhages are divided into
 active and passive, in the latter they
 must be useful in the former not unfe-
 -quently hurtful. a great number of
 Hemorrhages from the intestinal canal
 the first Symptom is an increased Arterial
 action. In dysentery as depending on a
 Relaxed or torpid state of the intestines
 they may be frequently used with
 advantage they nearly always increase
 the Alvine discharge this disease is
 sometimes a febrile action. —

In the diarrhoea of aged people accompa-
 -nied with gangrene they are improper
 In dysentery they are improper ^{or} ^{very} injurious



Dr Cullen defines it an increased constric-
 -tion of a portion of the Intestinal canal;
 but I do not suppose this the cause of the
 disease, the proximate cause more probably
 consists in a febrile state of the Mucus
 membrane of the large Intestines; hence it
 is obvious that those medicines which
 diminish Arterial action ought to be
 used; but astringents are not to be
 entirely neglected in dysentery, in some
 cases they are proper; there are some
 Vegetable astringents used in its first
 stage. — In Leucorrhoea astringents are
 frequently useful, Dr Cullen found
 them so, yet some deny it, there are two

kinds of this disease the one connected with fever the other not, in the latter they are very useful, and there are few cases I would not prescribe it in. I have cured this disease by the most opposite treatment Viz. By Venesection and mild astringents and with powerful astringents without Bloodletting. Diabetes.

Astringents have been used in this disease as Alum and when it arises from a relaxation of the Urinary organs with advantage but I fear they are not so useful as most people imagine; it does not always depend on simple debility of the kidneys; it appears after

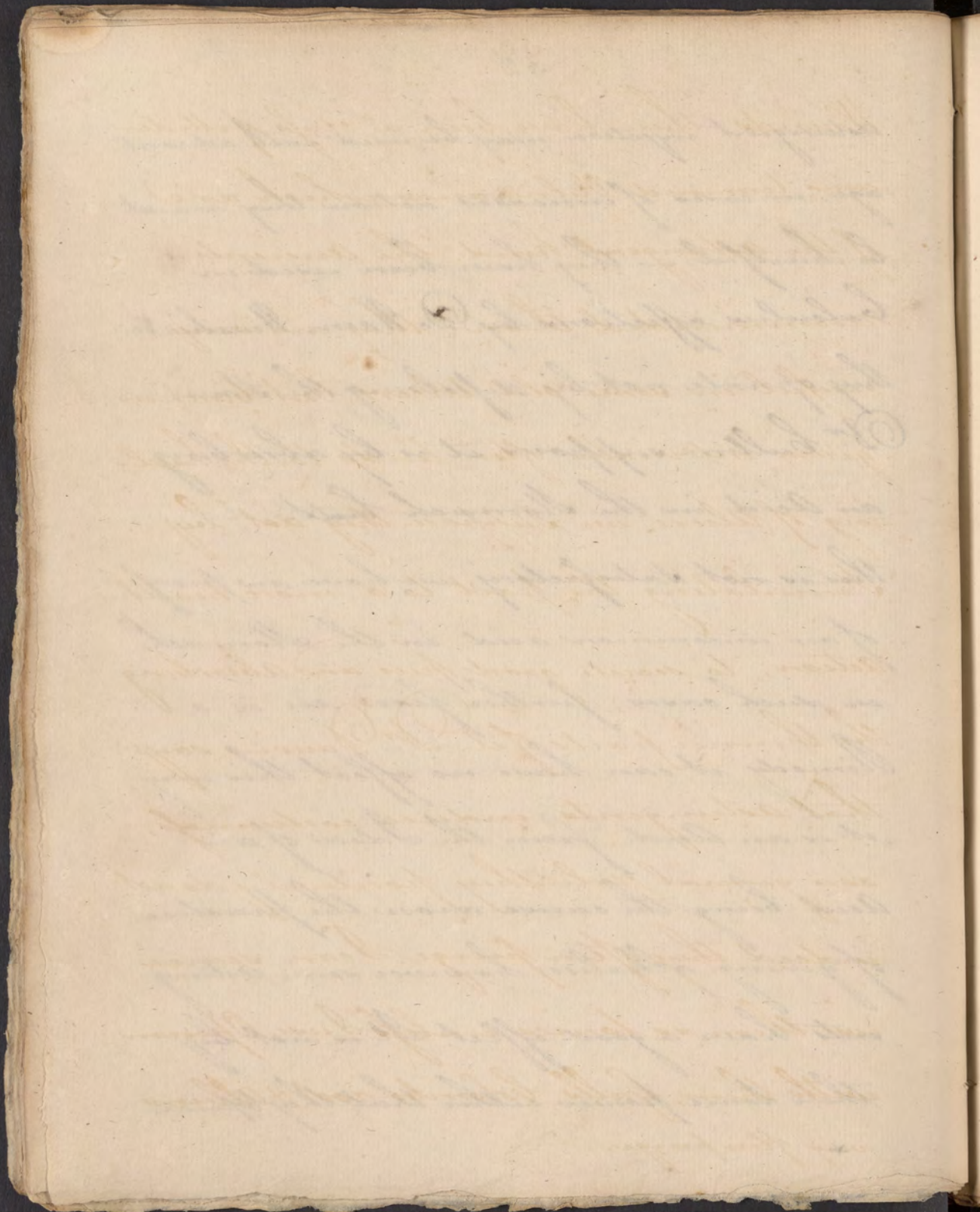
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Permitting fevers and the Symptoms are
 always aggravated in the Pyrexia; this
 disease I believe more frequently depends
 on an increased action of the Arterial
 System and which can seldom be cured
 unless attention is paid to the fever.
 hence Astringents will be improper. this
 disease is sometimes a translation of gout
 to the Kidneys. The most decided case I have
 seen was cured by Phlebotomy and the
 Depleting plan one case I have seen
 cured by an Emetic. —

Dr. Cullen* I think had not a sufficiently
 favorable idea of them in his discharge
 from the Urethra in Males. in gonorrhoea

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astringent injection may be used with advantage; in cases of increased action they must be hurtful. — they have been used in Calculus affections by De Haen. Heucher &c. they operate not by dissolving the Stone. Dr Cullen supposes it is by absorbing an Acid in the Stomach but this is not satisfactory, we have no proof of an uncommon acid in the Stomach in such cases; further fixed air is a Remedy it can have no effect this way, it is an Acid. from the Idea of an Acid being the cause arose the practice of giving alkalis: however some astringents have a good effect. It is not by their tonic power either that they Operate



Wounds, there have been a class of Medicines termed Vulneraries which are of the astringent kind. the Ancients recommended them; they are very useful in some old Ulcers, Cort. bincum given internally often tends to the healing of Ulcers, we suppose they act by Stimulating the part to a more healthy action; to secrete good pus and absorbing the thinner parts of it. Dr Darwin says that astringents induce costiveness, as a general rule they positively do not, indeed they often purge. I can scarce use them as tonics unless I use Opium with them, Galls, Colombo-root & Allum very often purge.

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I shall proceed to treat of particular Astringents Dr Cullen has divided them into 2 classes the Mineral and the Vegetable.

The Mineral Astringents of Dr Cullen

I shall consider as tonics. — Nature has

been bountiful in giving a degree of astringency to almost all Vegetables

even to the leaves and roots of the

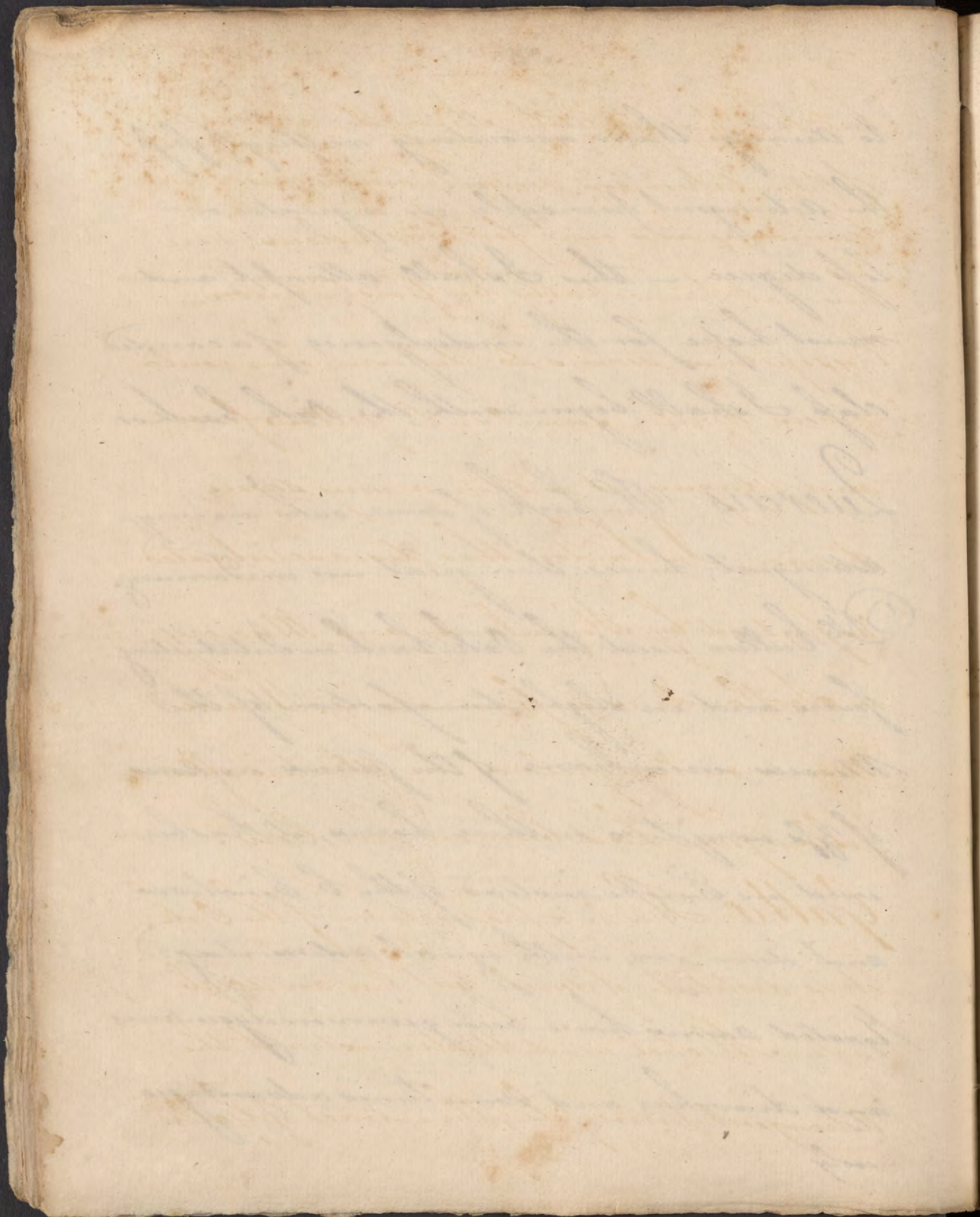
Strawberry but the Astringency more generally resides in the bark.

Dr Cullen has thrown together all the Vegetables according to their Botanical affinity, there are several reasons for not adopting this. first it would

require a considerable degree of Botanical knowledge. I conceive it much better

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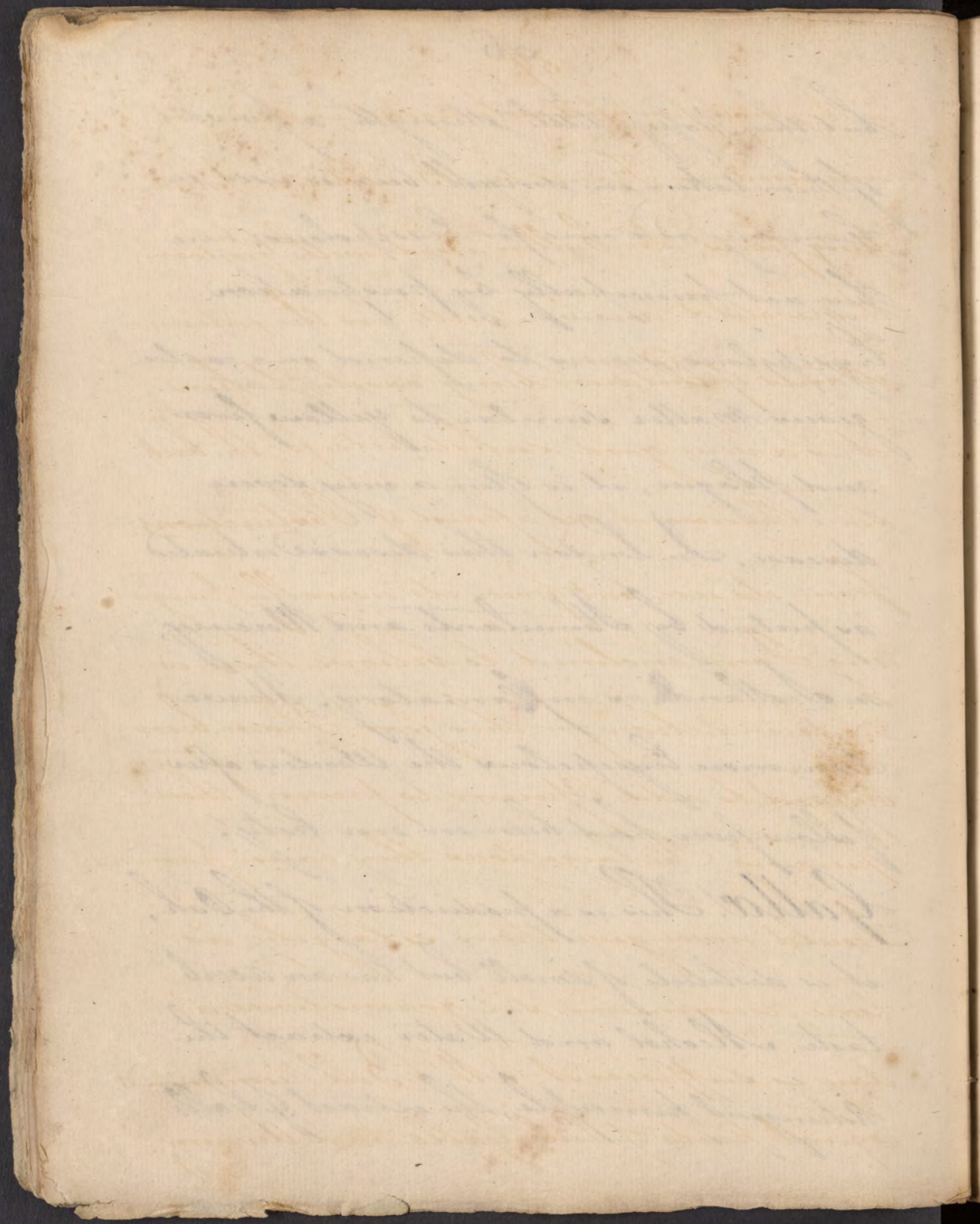
to arrange them according as they possess
the astringent principle in a greater or
less degree. — this I shall attempt and
must hope for the indulgence of a candid
clap, I shall begin with the Oak-bark or
Quercus. The bark of some oaks are very
astringent, hence their great use in Tanning.
Dr. Cullen used the Oak-bark in Intermitting
fevers and in slight tumefactions of the
Mucous membrane of the fauces in doses
of $\mathfrak{z}\mathfrak{ss}$ every two or three hours, it has been
used in Europe instead of the C. Cinchon
and some say with equal advantage.
Roasted Acorns have been given in dysenteries
and diarrhas and some times advantageously.



but they possess little strength, a powder of them taken in small beer is used in Germany as a cure for Erysipelas; here they act principally by perspiration.

Erysipelas seems to depend on a contagious matter similar to yellow fever and plague, it is often a very severe disease. In London this disease is treated as putrid by Stimulants and Mercury, in Scotland as inflammatory. I have seen more Erysipelas the Winters after Yellow-fever had been in our City.

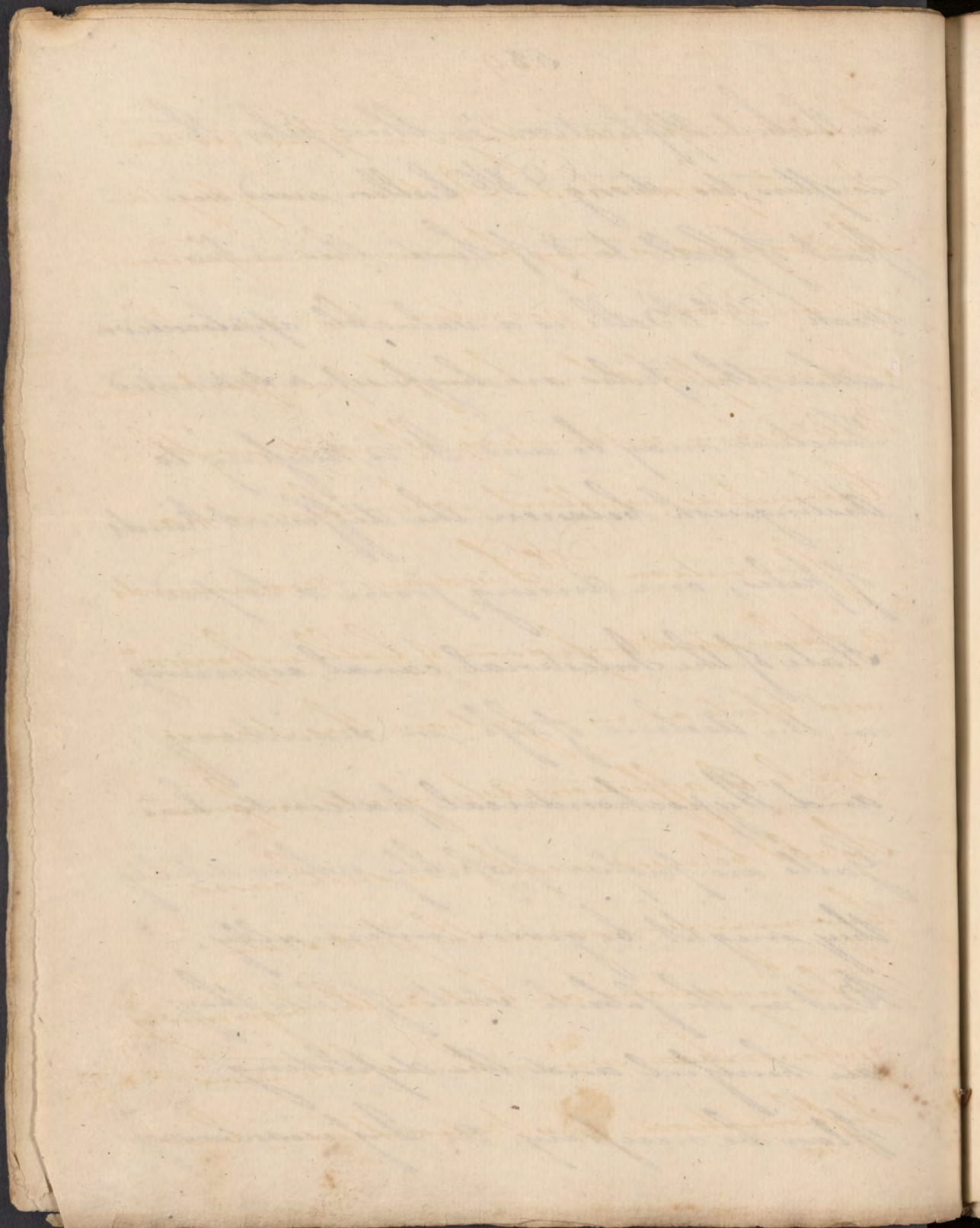
Galla. This is a production of the Oak; it is destitute of smell but has an acerb taste. Alcohol and Water extract the astringent principle; the extract of Galls



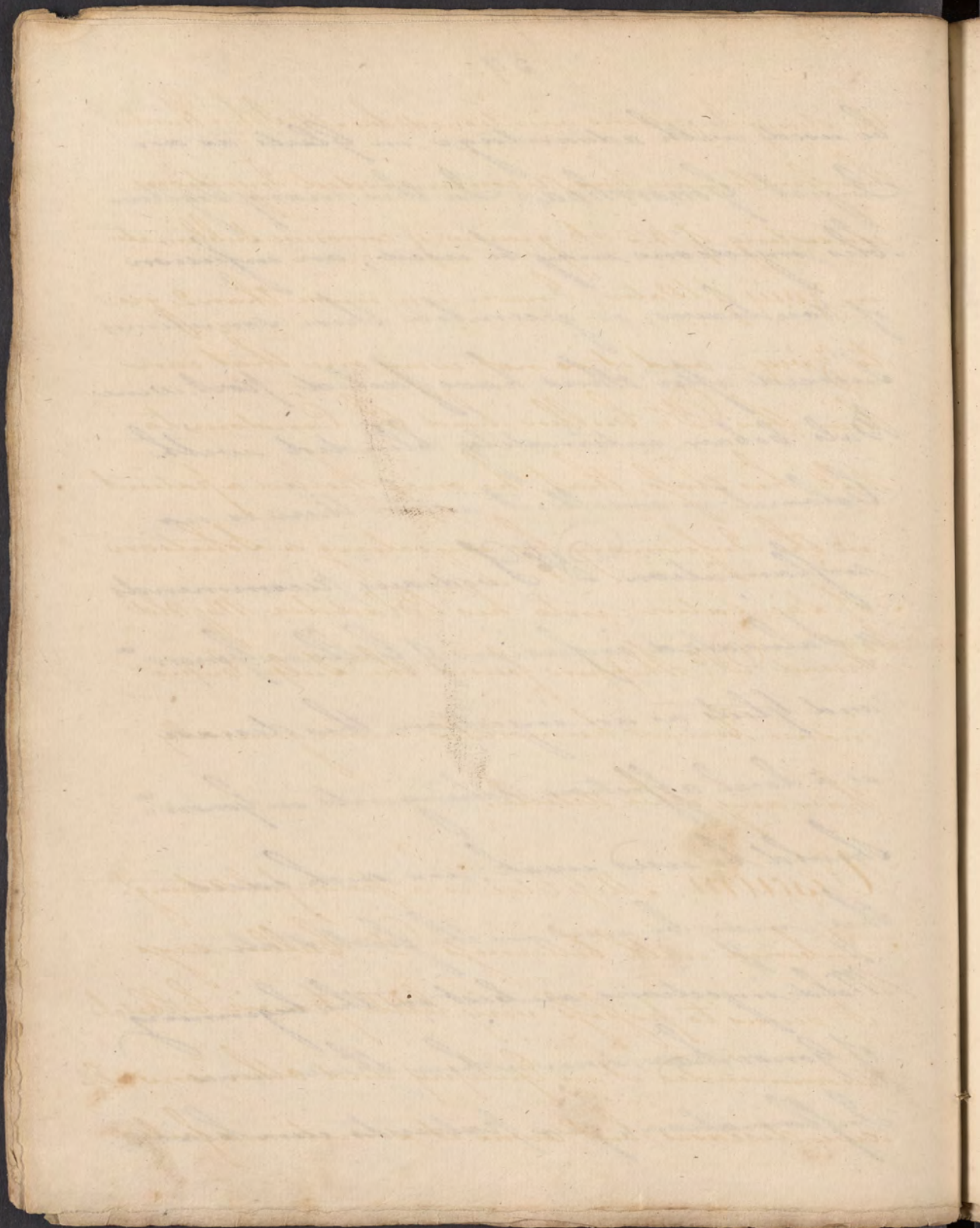
is the most powerful astringent we know. it was used in France by Bouldoc in Intermittent fevers, Dr Bullen used with Gentians: they would answer well in the intermittents of Children being easily taken it is a very good substitute for the bark. Some Physicians are afraid of Obstructions from its use but from its usually purging I am inclined to believe there is no foundation for this fear. I have been obliged to add Opium to prevent their purging. In large doses they cause pain. I could never give them so largely as some recommend. Six grains twice a day is sufficient. Mr Bell recommends equal parts of Pul. Galla and Astring.

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as the best Application in blind piles; this is often too strong. Dr. Cullen used one part of Galls to 8 of Sand. this is too weak. Dr. Boils is a valuable application when the piles are high up a saturated Tincture may be used. It is necessary to distinguish between the different kinds of piles, one arising from a torpid state of the Intestinal canal, occurring in the decline of life, in sedentary and Hypochondrical patients, here Galls are proper. possibly when debility they might be given internally. But in the febrile state of Piles they are hurtful and the depleting plan be necessary. As Infusion may

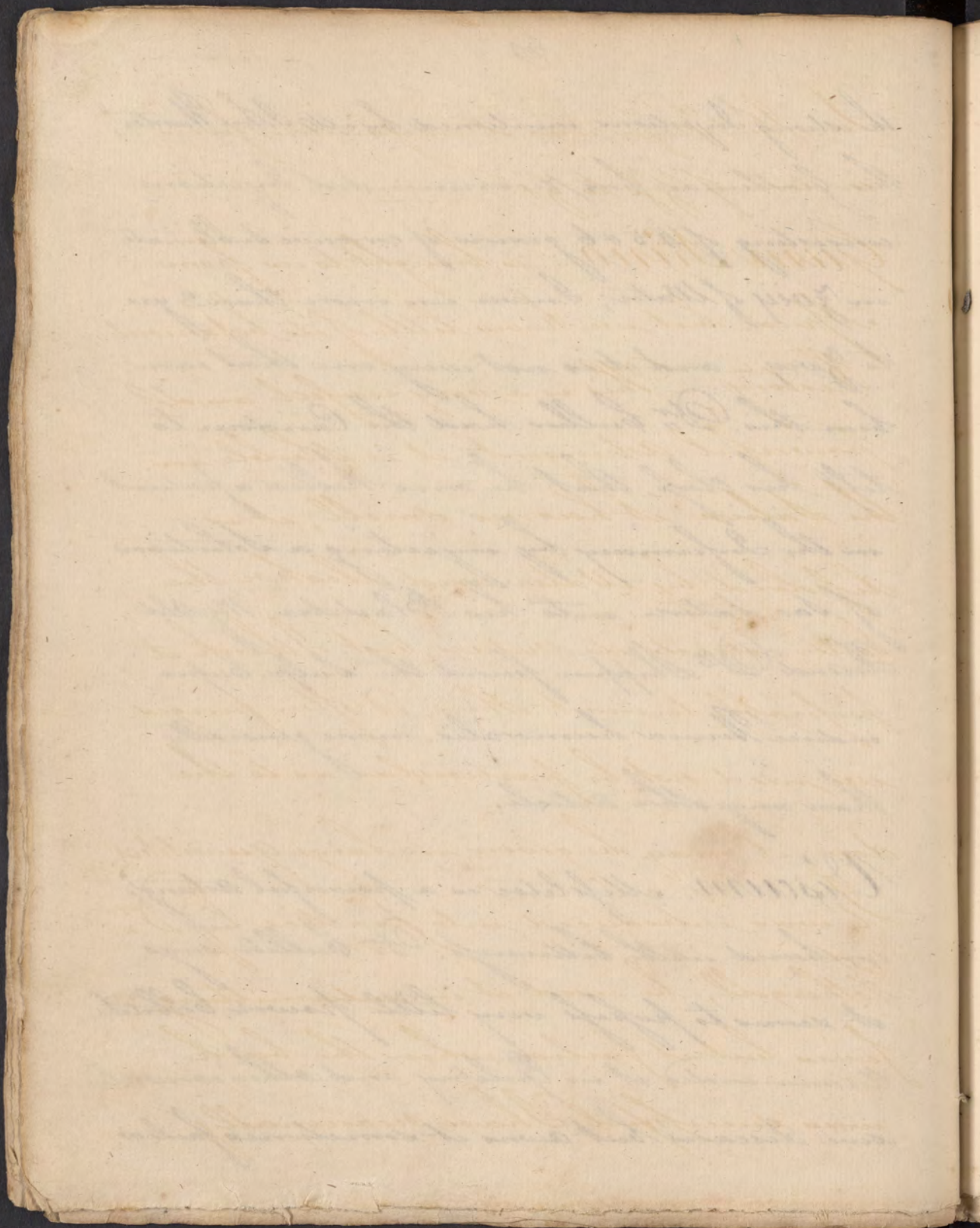


be used with advantage in Glands as an
 Inject. Gonorrhoea. In this many Vegeta-
 bles injections may be used; an infusion
 of Rose leaves, or green tea these sometimes
 succeed after others have failed, port wine.
 Bals: Coban intimately blended with
 Colomel is excellent when there is no
 inflammation. Dr. Swediaur recommends
 a Saturated infusion of Galls in Gonorr^a
 and Glands as an injection, this disease
 is a local affection. Astringents in Gonorr^a
 should be used weak; in such cases
 they may be used in the first state.
 Mild injections are best in the beginning
 of Gonorrhoea, even when there was
 Inflammation - few patients can bear



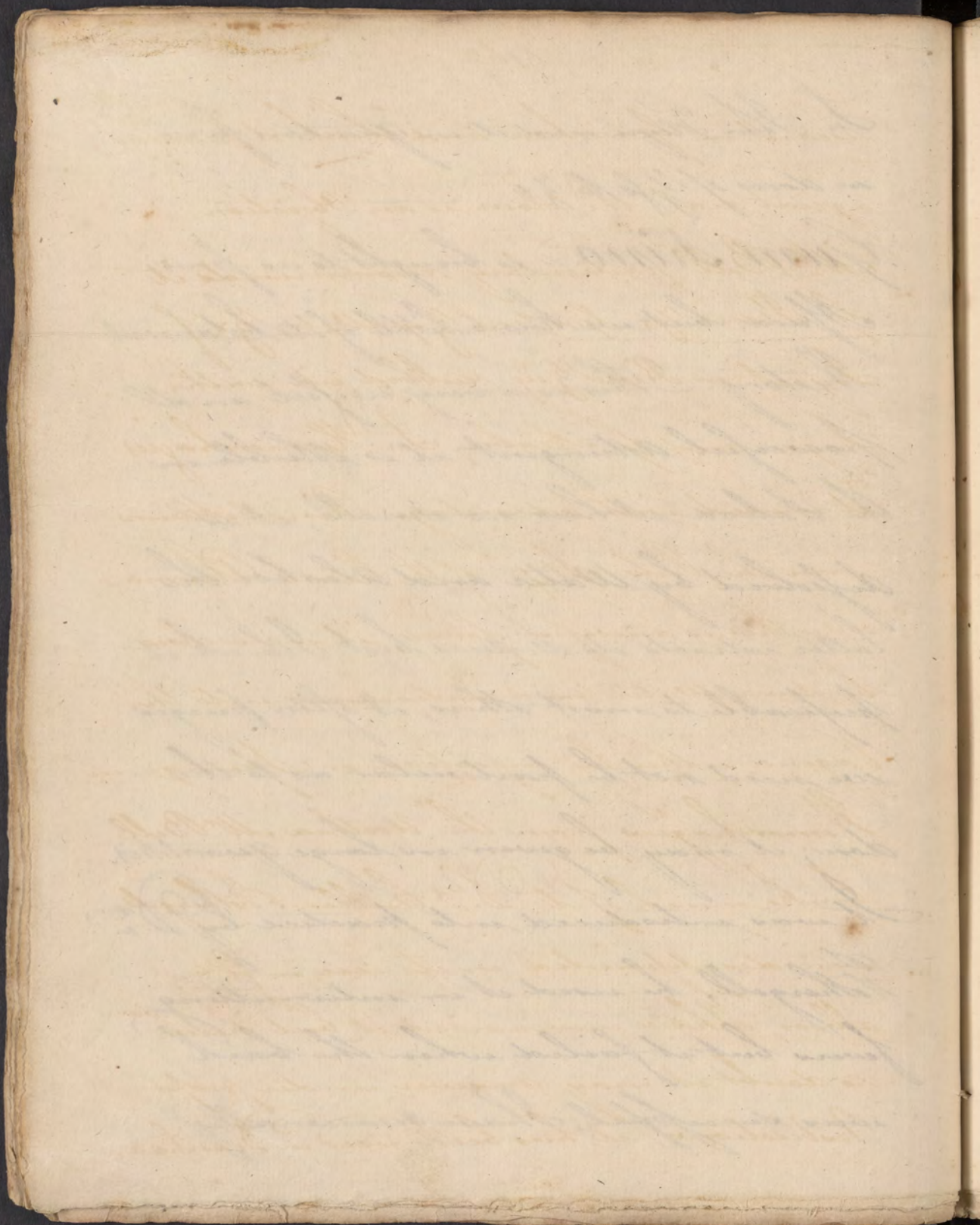
the strong Injections mentioned by Mr. John Hunter; this Gentleman has recommended Injections consisting of 4. 5 & 6. grains of corrosive Sublimate in ℥viij of Water; I never use more than 2 grs. to ℥viij. - and it is not every one that can bear this. Dr. Cullen had the Candour to tell his class, that he once killed a patient in the Infirmary by injecting a Solution of sac. saturn: into his Bladder. My Old Friend Dr. Shippin found the Sulf. Cupie induce Hemorrhoids more generally than any other article.

Viscum. Mistletoe is a powerful astringent combined with bitterness. Dr. Cullen says it seems to possess very little power. Colbatch recommended it in Epilepsy and other convulsive diseases but avows it sometimes failed.



Dr John Floyer used it in Quantam fevers
in doses of $\frac{1}{2}$ ss to $\frac{3}{4}$ i. . . .

Gum Kino. - is brought to us from
Africa. but we know little of its botanical
History. This is a very useful and
powerful Astringent; it is soluble in
the Saliva it has no smell; it is
dissolved by Water and Alcohol the
latter extracts its virtues best. I think it
preferable to most others, it often purges.
we need not be particular as to the
dose; it may be given in large quantities.
It was introduced into practice by Dr
Fothergill, he used it in intermitting
fevers but it failed when the bark
was successful, I have occasionally



used it in Gonorrhoea and think it promises
a great deal; the Colour is an Objection.

Mr. Bell particularly recommends it
℞. Rind ℥ss. ℞. Anal ℥ij Water ℥x. f.
Inject. or Rind ℥ij rubbed up with
Sugar and ℞. Arabic. In Hemorrhages
it is used with advantage. Rind & Album
form the Peck. Strep. of the Edinb. Pharma-
-cop. this is a useful form; it is dissolved
by lime water and introduced into the
Vagina either by injection or Sponge. in
Hemorrhages from the Urethra Mr. Bell
thinks much of it. Drs. Cullen & Poteridge
were disappointed in its use in fl
albus. I have never used it but have
no doubt it may answer under proper
Restrictions, it has been used in Diarrhoea.

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I would not prefer the Tincture. it strikes
a black colour with the Sulp. Ferri. —

Yellow Gum Resin. this is nearly
a pure Resin, it is obtained from Botany-bay.
it is now the fashionable astringent in
London. we have not yet had it in America.

Terra Japonicum. This is the inspissated
Juice of a Tree the *Miracosa* Cate and is
brought from Japan, it is inferior to
Rind I have never used it, it is little worth.

Uva Ursi. the Whortle or Sea-berry is
the *Arbutus Uva Ursi* of Linnaeus. this plant
is common to the Old and new World;
it grows in Pennsylvania, New Jersey, New
York &c. it is an evergreen shrub, trailing on
the ground and very similar to our huckle-

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berry to which it is nearly allied; it is properly ranked with the astringents, that it possesses a considerable degree of astringency we infer from its taste and from the black produced by adding Sulp. of Iron, it has an agreeable bitterness and when chewed increases the secretion of Saliva. the leaves ~~contain~~^{are} more active than the Stalks; the leaves contain more Gum than Resin; Water is its best menstruum and I prefer decoction to infusion. It was introduced into practice in the Year 1745. Some German Physicians have praised its properties in unqualified terms whilst many have said as much against it.

[Faint, illegible handwriting in blue and orange ink, possibly a list or ledger, covering the page.]

Dr. Han recommends it in Dysuria in doses
 of ʒi. Dr. Ferrius has found it of the greatest
 advantage in Nephritis, he cured 12 out of
 16 cases by giving it with mild Purgatives.
 he gave it in doses of 5 grs. larger doses says
 he produced Nausea &c. but I have frequ-
 -ently taken from ʒi to ʒiſs without the
 least disagreeable sensations. In Catarrhus
 Vrinae, Mictus Cruentus, dysuria and
 Hematuria I have no doubt it is a valu-
 -able medicine it may do injury if
 a febrile state exists. I have used it
 with much advantage in that
 species of Nephritis depending on Gout
 or Nephritis Podagrica. it sometimes

creates a tightness of the Chest: this I have
 experienced on myself. Bark has the same
 effect with me. It has often been used in
 Gonorrhoea I cannot but recommend it
 to you in cases of long standing both
 internally and externally. I thought
 I had been the first to use it but find
 Mr. Bell has preceded me: he thinks
 it the most effectual in use, he gave from
 ʒi to ʒss. thrice a day: it soon lessened
 the proportion of Viscid matter in the
 Urine. I have no doubt it would be
 found useful as an injection. it is
 used by some in Gangrenous Ulcers
 in preference to the Cinchona bark but

Neither are equal to the Spanish Oak-bark.
 In Luccorha it has been recommended
 by professor Murray: I have no doubt
 but that it is an important Medicine
 both internally and externally. D. D.
 Monro thought it unworthy the praise
 it had received. In cases of Bloody Urine
 it may from its stimulus be improper.
 It slightly increases the fulness & frequ-
 -ency of the Pulse; it does not increase
 the quantity of Urine. It is said to
 afford an Acid liquor: this is not true.
 My Pupil Mr. Mitchel has disproved
 this by his experiments.

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Gerarde from his experiments concluded that it dissolved the Urinary Calculi; but this is not true, it will relieve the Symptoms & dissection prove the Calculi remained.

Haller supposed it acted by robbing the Calculi of its mucus and dissolving it in part, Calculi are always accompanied with a Vitiated state of the Urine which it corrects Just as bark does the discharge in Ulcers, the Urine is thicker and more glutinous. Vegetable blue colours are changed to a deep green perhaps it may do good by altering the Nature of the Urine.

Boy 14 Years old was admitted into our

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Hospital with a Calculus complaint, fated
 Urine &c. Dr Shippin prescribed the Uva
 Urvi 2 or 3 Weeks; he was discharged well.
 He returned after some time with a relapse
 of the disease, he was again discharged,
 but returned once more, he was cured and
 has had no relapse. A Gentleman with
 a Calculus complaint applied to me; I
 advised the Uva Urvi Tea, he was soon
 relieved and discharged a Calculus: this
 agrees with the observation of others.

The *modus Operandi* of this
 Medicine is extremely difficult to be deter-
 mined it purges, and sometimes inflames
 the Stomach. I cannot say how it operates

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in Calculus: it often has wonderful effects;
 I have it cannot be by dissolving the Stone;
 Some think it prevents the increase of
 calculi. Dr. Cullen conjectured they
 acted by absorbing acid. I believe more
 cases often of Calculi or Nephritis arise
 from Gout: they frequently go hand
 in hand: the Nephritis Podagracea
 does not occur while the patient
 has Gout. May it not act like
 other bitters in curing Arthritic affec-
 tions in different parts of the System?
 I believe its good effects may in some
 part be ascribed to its tonic power.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

I myself was afflicted for a considerable time with Gout in my feet, it left them and made its appearance in the form of Nephritis and by the use of Uva Ursi considerably relieved. — Some are of opinion it possesses a Soporific power. I confess I never suspected any thing like it.

Among the indigenuous plants of this Country is the *Geranium Maculatum*. It is found in great abundance near Lancaster in this state. it is called Crowfoot. this is a very pure and powerful astringent, it is not bitter or acrid, it was particularly used by the late

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Dr. Hand with great success in Cholera Infantum. I am of Opinion astringents and Tonics are too much neglected in this disease; they are very generally proper; it may sometimes do harm, the first stage is often accompanied with a fever which would seem to forbid stimulating astringents.

It is used boiled in Milk need be no wise particular about. Neuchet found the *G. Robertianum* useful in Calculus.

Neuchera Americana!

This is called American Sarsil & sometimes

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Alum-root from its styptic taste resembling
 the Sulphate of Alumine. it grows in many
 parts of the United States, is common in the
 State of Pennsylvania, the root is a very
 pure and intense astringent: it is used in
 the Western Counties of this State in cases of
 Cancers. I do not think it has done
 much good in Cancers but in Ulcers of
 long standing the astringent the Medicines
 are used often with advantage. Cancers
 are frequently among the Indians. they
 use this in Wounds.

Orobanche Virginiaca. this is called
 Broom-rape and Cancer-root. it belongs to the class

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and order *Dydanamea Gyurnospermea* of
Linnaeus Sexual System. It is found
growing under the *Fagus Sylvatica*,
it has a Nauseous taste. It is a pow-
erful astringent. I believe this Root
with Arsenic was what formed
Martins Cancer powder. Dr. Martin
was known to collect large quantities
of it near Pittsburgh and Dr. Rush
has detected Arsenic in his powder;
it was very astringent to the taste.
Now let me observe Astringents are
too much neglected in Ulcers, they
are frequently the most powerful

17

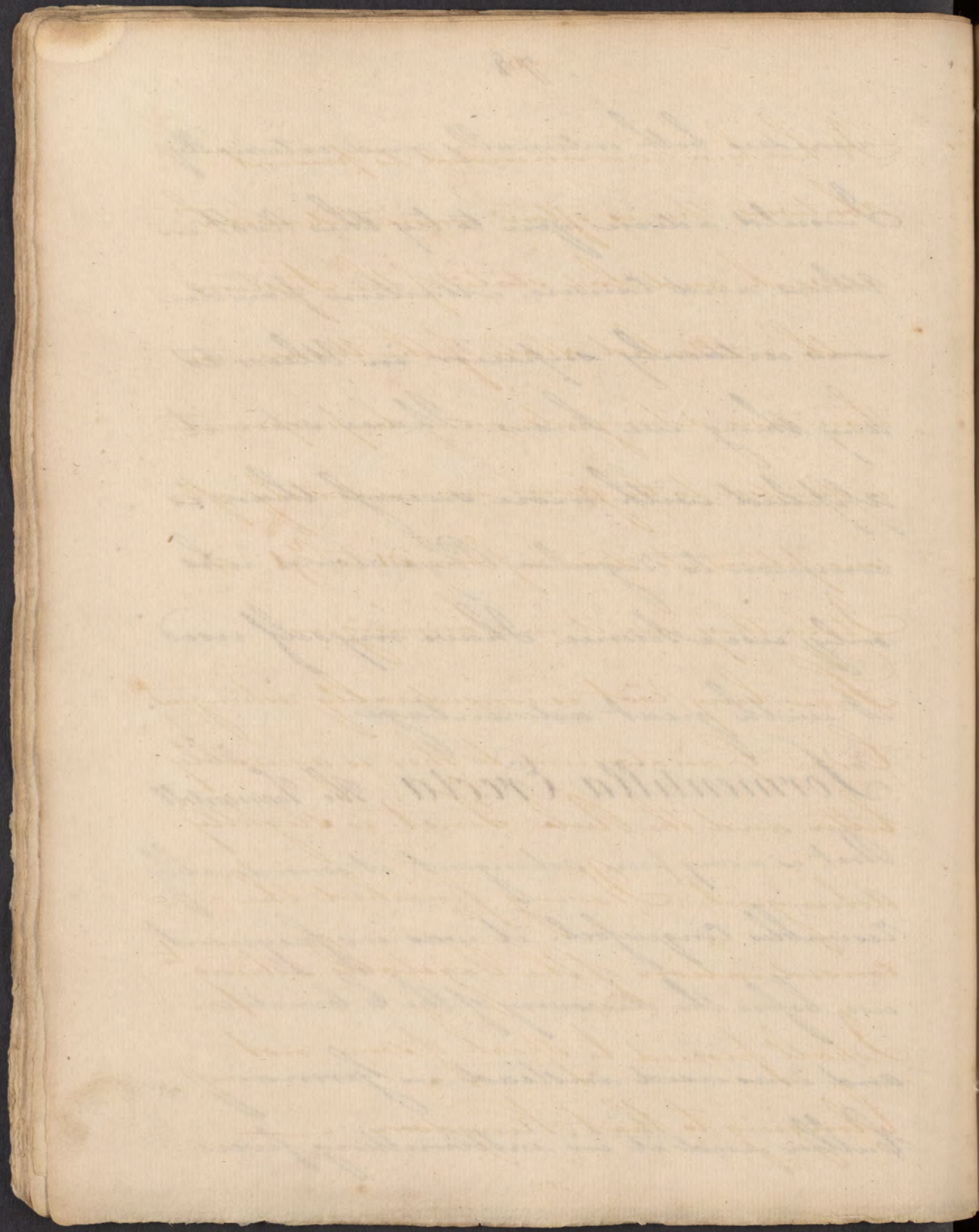
My dear Mother

I received your letter of the 10th inst. and was
glad to hear from you. I am well and hope
these few lines will find you the same. I
am not at home at present but I will
write you again as soon as I can. I am
very affectionately yours
Your affectionate son
John Smith

remedies both internally and externally.

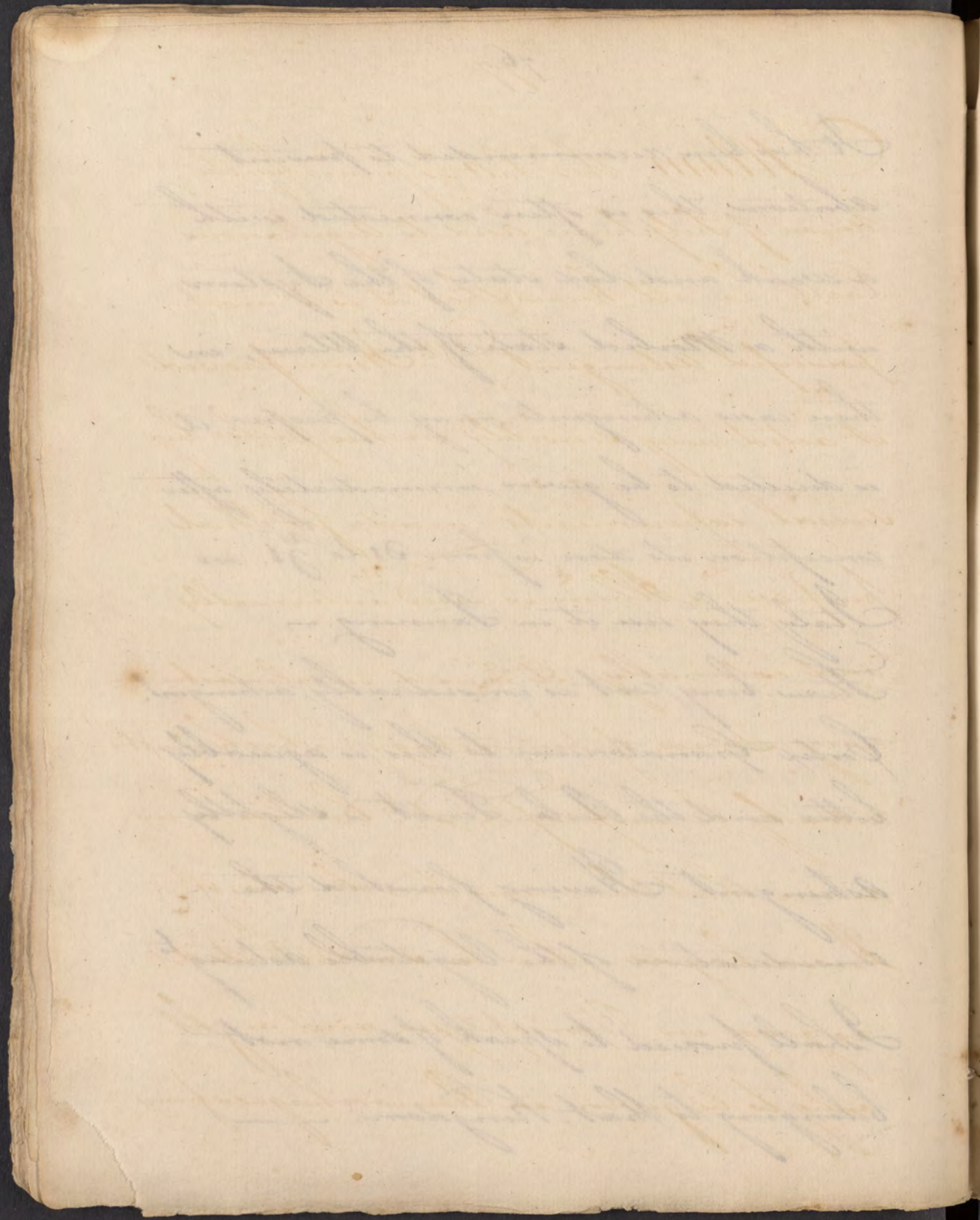
I would advise you to try this Root in
Ulcers and Caners. Martens powder
was certainly superior in Ulcers to
any thing we know. I have seen it
applied with more success than is
common to regular Physicians who
only use Arsenic. I have myself used
it with great advantage.

Tormentilla Erecta. The Tormentill
Root is a very pure astringent, it considerably
resembles Cinquefoil. it was in frequent
use before the discovery of the C. Cinctron
and was used instead in Germany.
Cullen used it in intermitting fevers

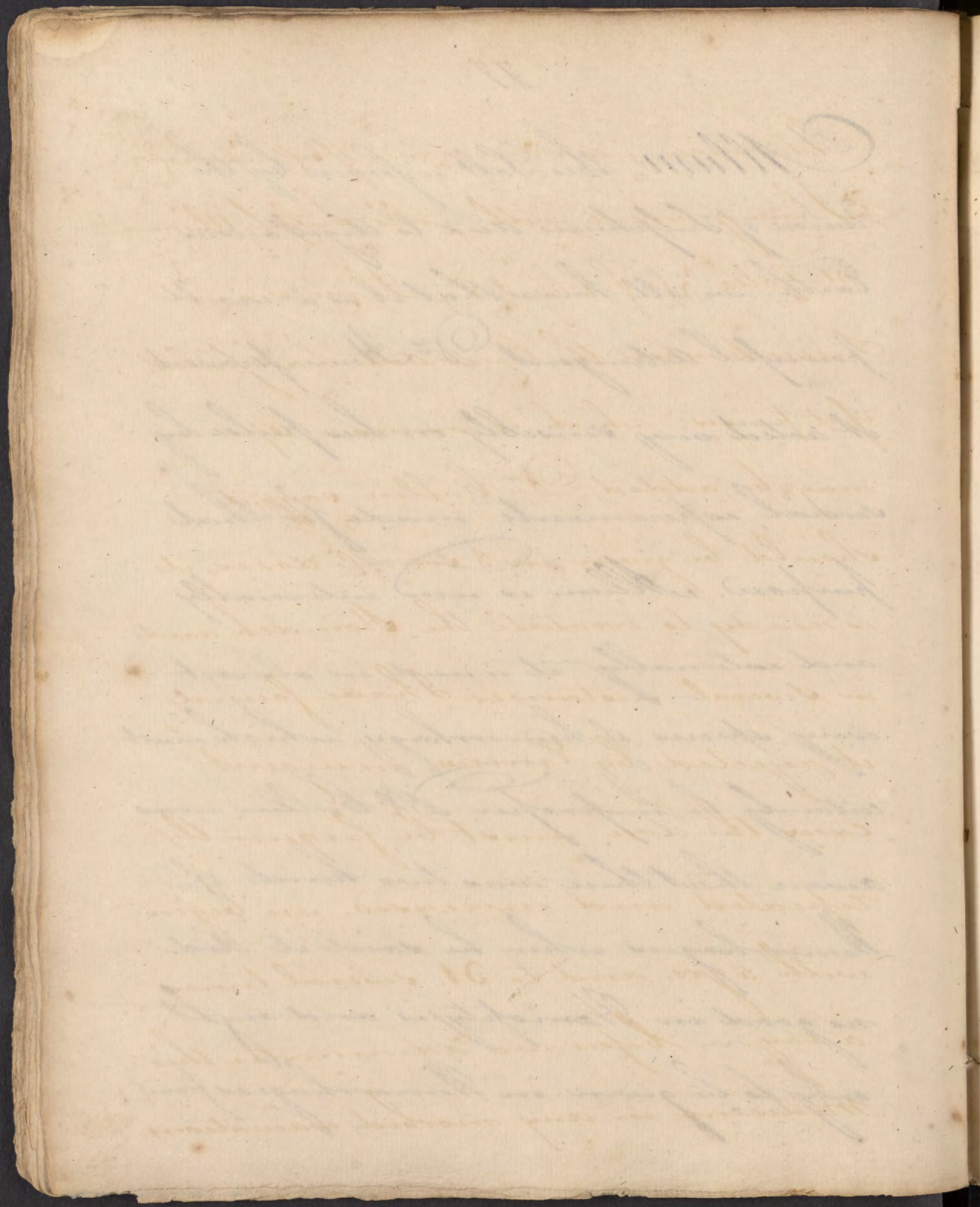


It has been recommended to prevent abortions, this is often connected with a weak and lax state of the System with a Morbid state of the Uterus, in those cases astringents may be proper, it is directed to be given immediately after conception its dose is from \mathfrak{ss} to \mathfrak{z} . in Italy they use it in Tanning. —

Stem. berry root is considerably astringent. Cortex Granatorum to this is agreeably bitter and the Rub. Tinct. is slightly astringent. Having finished the consideration of the Vegetable astring.^{ts} I shall proceed to speak of some not belonging to that Kingdom. —



Alum. this Salt is formed by the
 Union of Sulphuric acid to Argillaceous
 Earth. we all know that it is a most
 powerful Astringent. Dr. Home proved
 it acted very sensibly on his pulse by
 several experiments made for that
 purpose. Alum is used internally
 and externally. it is used in almost
 every species of hemorrhagy which must
 certainly be improper Dr. Cullen was
 aware that there was two kinds of
 Hemorrhagies when he said it did
 no good in Hemoptysis and ought
 only to be given in Hemorrhagies from

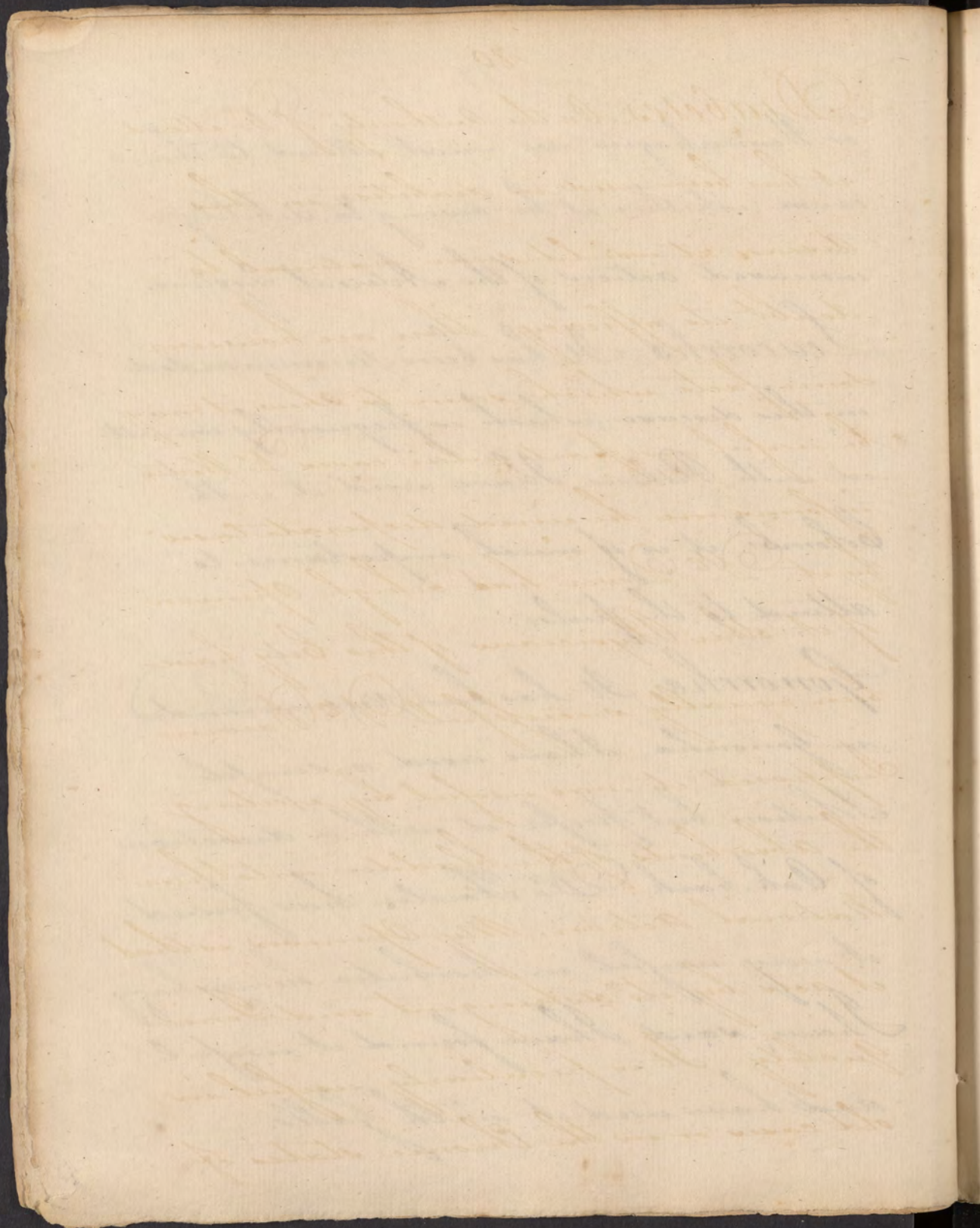


Relaxation. in some cases of *Hæmorrhagia*
 I have given it with galls. Sulph. Alumin.
 ℞i Galla. ℥ss. f. Chart. xij. I have seen it
 Succeed where the *Cruv. act.* had failed
 if it purges; which is common, Opium
 may be added. Dr. Bullen says it
 should be given in 8 small doses, it
 is ready to irritate the Stomach and
 in several instances I have found
 it rejected by *Emesis.* in urgent
 cases the dose must be frequently
 repeated and increased. we begin
 with 5 grs. and to ʒi. several times
 a day. — Before we administer this
 Medicine in any morbid evacuations

or Hemorrhagies we must attend to the cause whether it be owing to debility or increased action of the Arterial System.

Leucorrhoea. It has been recommended in this disease which is frequently connected with *Phtisis*. I have used it with *Colombs*. it is of much importance to attend to the pulse.

Gonorrhoea. It has been recommended in *Gonorrhoea*. I have used a simple Solution but prefer it with a decoction of Oak-bark. Dr. Fowler has found it very useful in scorbutic hemorrhagy. I have said I have found it useful and have used it with Galls.



Diabetes. On the Authority of Dr. Mead
 it has been used in diabetes; in this
 Disease it would seem natural to
 doubt its efficacy; there are however
 some facts which seem to shew it may
 be useful in particular cases. Dr. Wister
 informs me he cured desperate Cases
 by it. Dr. Dover had a high Opinion
 of it other Physicians of this City have
 been equally successful. Dr. Darwin
 supposed it was useful by exciting
 the absorbents of the bladder into their
 Natural Action. My Opinion is that
 it acts by its astringent and Tonic
 Quality. It is peculiarly useful in
 old cases or in the Chronic states of

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this disease. Dr. Mead says in this hitherto incurable disease nothing more is necessary than to give the patient a posset drink as strong as the stomach bear twice a day. I have says the Doctor followed this practice forty years and never knew it fail. Dr. Darwin classes it with the Sorbentia. —

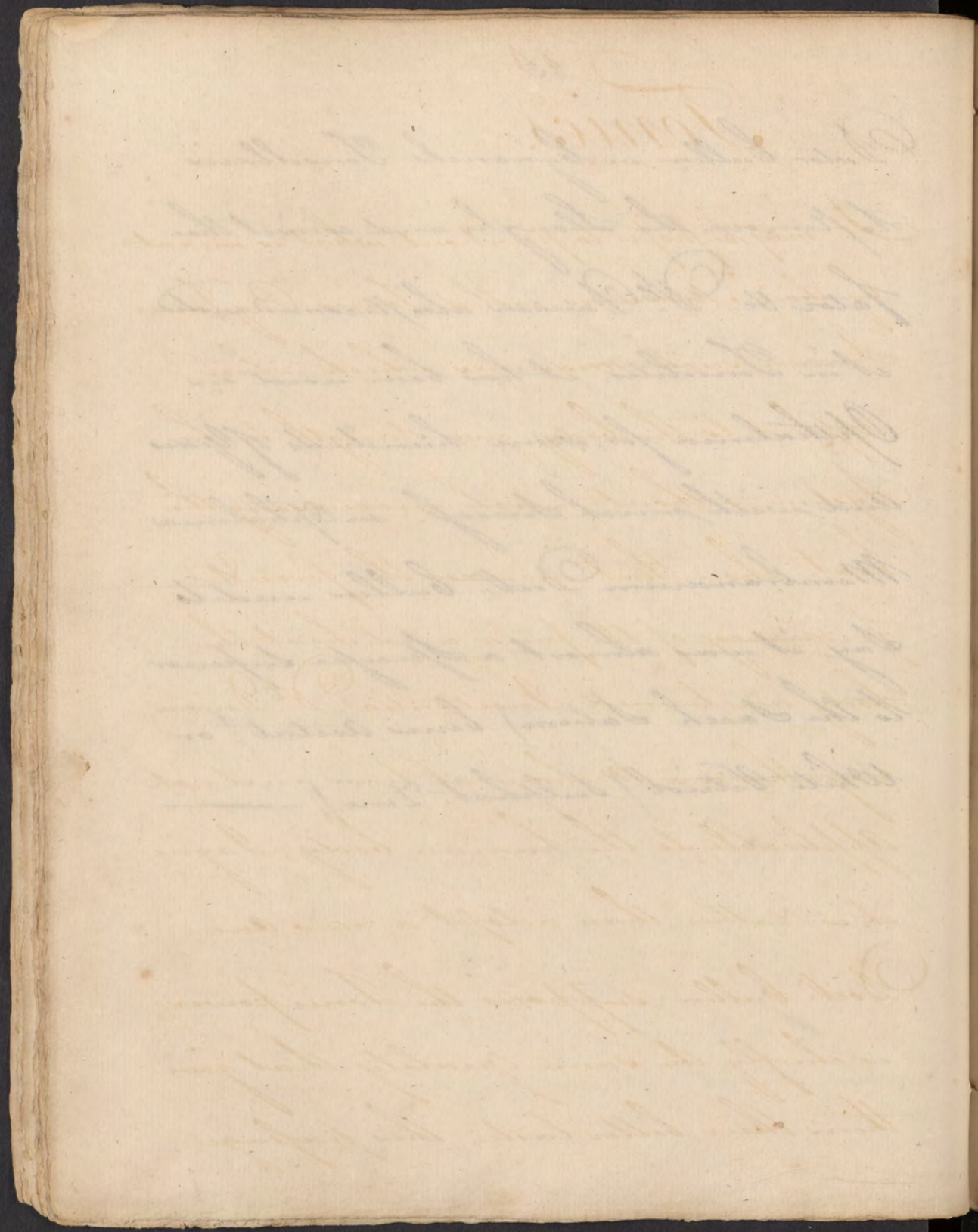
Intermitting Fevers. Dr. Lind says that Alum combined with Nutmeg or Cinnamon Alba is next to Peruvian bark in curing fevers. Dr. Chalmers speaks highly of Alum in a malignant fever which appeared in South Carol^{na}.

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Dr. Cullen used it but he says it was disagreeable to the Stomach, Dr. Adair has used it combined with the Cinchona bark and Canella alba. It is difficult to account for the Operation of Alum in Intermitting fevers, probably it is in the same manner as the Cortex Peruvianus. — Alum promotes intestinal absorption thereby producing a constipation, Nevertheless it sometimes purges.

External Application. It is used Externally and frequently with advantage. as in Gargles &c. it has been used in a Sore throat. it was recommended by

Doctor Cullen in *Cynanche Tonsillaris*
 to remove the Sloughs and correct the
 Sotor &c. Dr. Darwin also recommended
 it in *Tonsillitis*. it has been used in
Ophthalmia for some hundreds of Years
 and with much Success. in *Ophthalmia*
Membranarum Doct^r. Cullen used to
 say it was almost a Specific Superior
 to the Sacch. Saturni / *cerus acetat* / or
 White Vitriol / *Sulphat. Lime*. / —



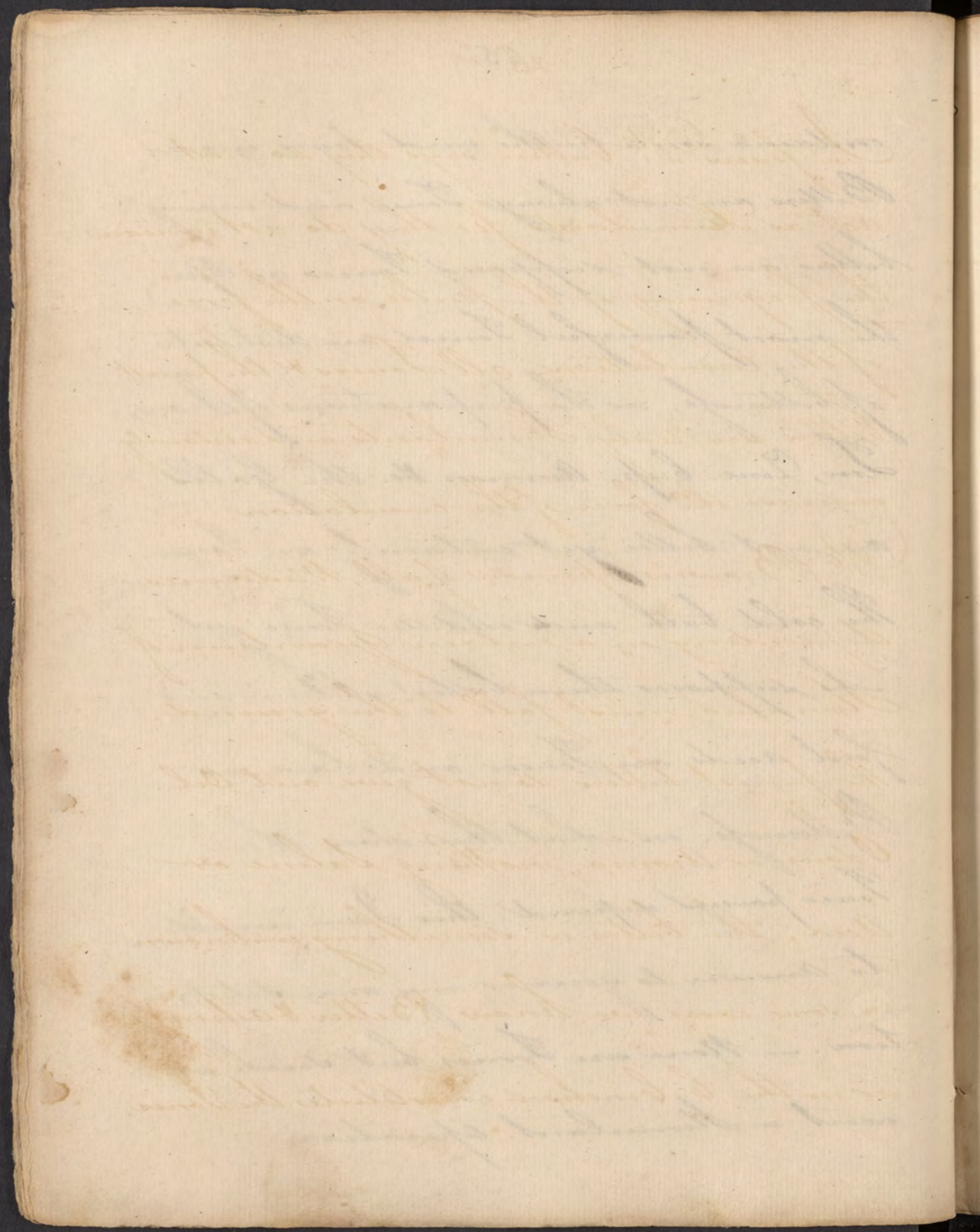
Tonics.

It may be proper to point out what is meant by those Medicines called Tonics. By Tonics I mean such medicines which when applied to the body give strength to the System without much increasing the heat. Those that increase the force & frequency of the pulse and heat the body are termed Incitantia. Dr. Darwin says this is a Mechanical term and not applicable to the human body; I agree it is rather than adopt a new one.

Doct. Cullen supposes the Tonic power is chiefly the same quality that give them their bitter taste. this passage

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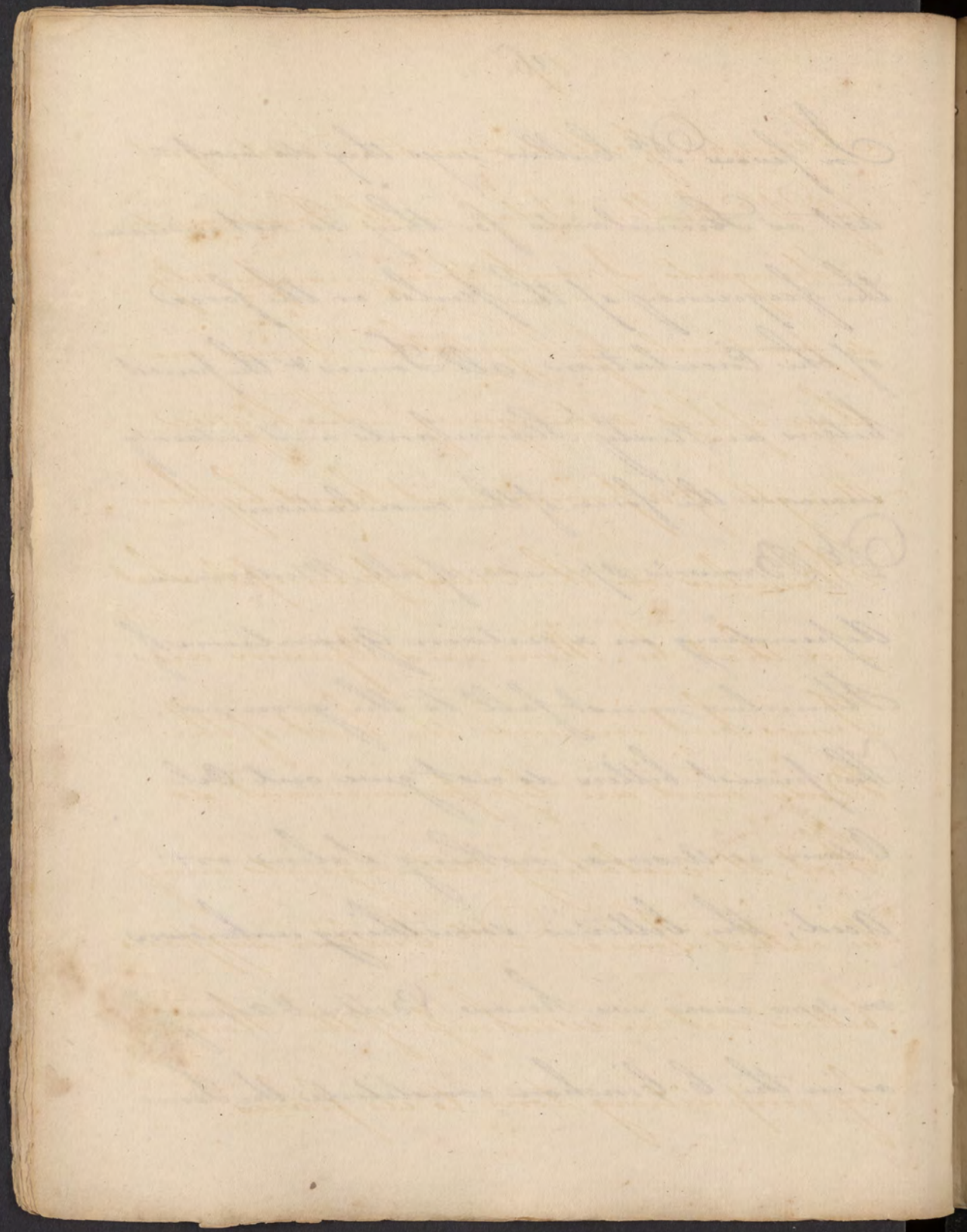
contains some truths and some errors.
 Bitters are not always Tonic and many
 bitters are not supposed Tonics as Opium.
 the most powerful Tonics are destitute
 of bitterness, as the preparations of Iron,
 Tin, Zinc, Cup. Ammon &c. the Galls
 are not bitter yet certainly are Tonic.
 The cold bath and cold air Tonic yet
 who supposes them bitter! Alum and
 fossil acids are Tonics and have no
 Bitterness. on what then does their
 Tonic powers depend: this I am unable
 to answer to your or my own satisfac-
 tion. — None are Tonics but such as
 exert a Stimulant operation.



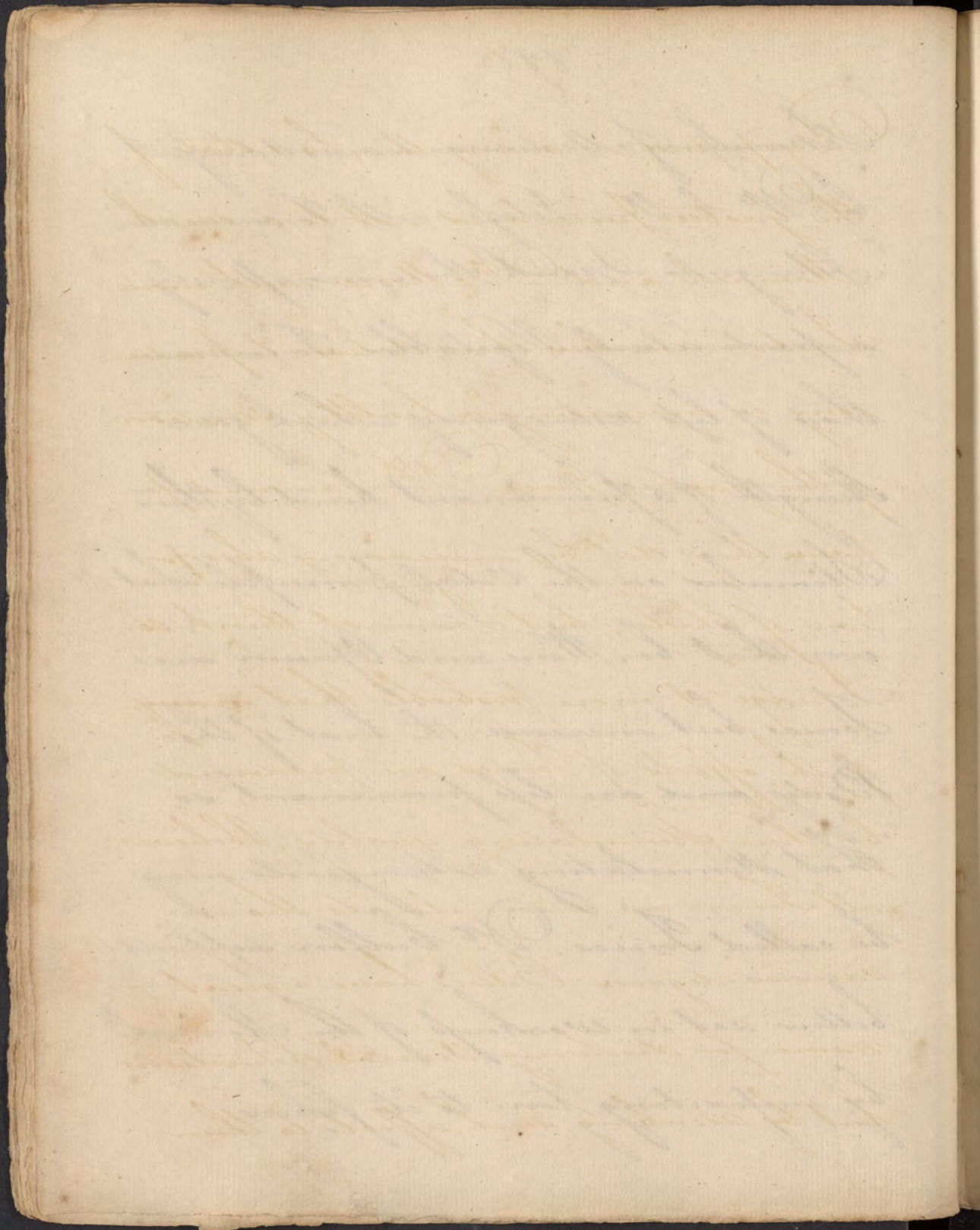
In fevers Dr. Cullen says they do not act as Stimulants for they do not increase the frequency of the pulse or the force of the Circulation. all Tonics & the purest Bitters are really Stimulants and certainly increase the force of the circulation:

Dr. Browne's opinion of all Medicines depending on a certain Quantum of Stimulus must fall to the ground.

The purest bitters do not give out Oil Odour or Aroma, nothing Saline or Acid; the bitter is something unknown in some cases we know Bitter & astringent as in the C. Cinchon constitute the Tonic.



A number of Medicines termed Astringent by Dr. Cullen I class with Tonics, under Astringents. I rank those more purely so particularly Vegetables Tonics are those of less astringency which give strength of a permanent kind by their Stimulus on the Vital principle whatever that be. Wine and Opium are Tonics but increase the heat of the Body and are less permanent, so that Stimulating astringents may be called Tonics. Dr. Cullen supposes Bitters act in weakness of the Stomach by imparting tone to its fibres.



Dyspepsia is owing to a bad state of the Gastric Juice and not to a weak Stomach and Dr^o Moore with more Justice ascribes their Action to producing or increasing a healthy secretion of the Gastric Juice. Dr^o Darwin supposes they act by increasing absorption of Chyle; but I cannot think so.

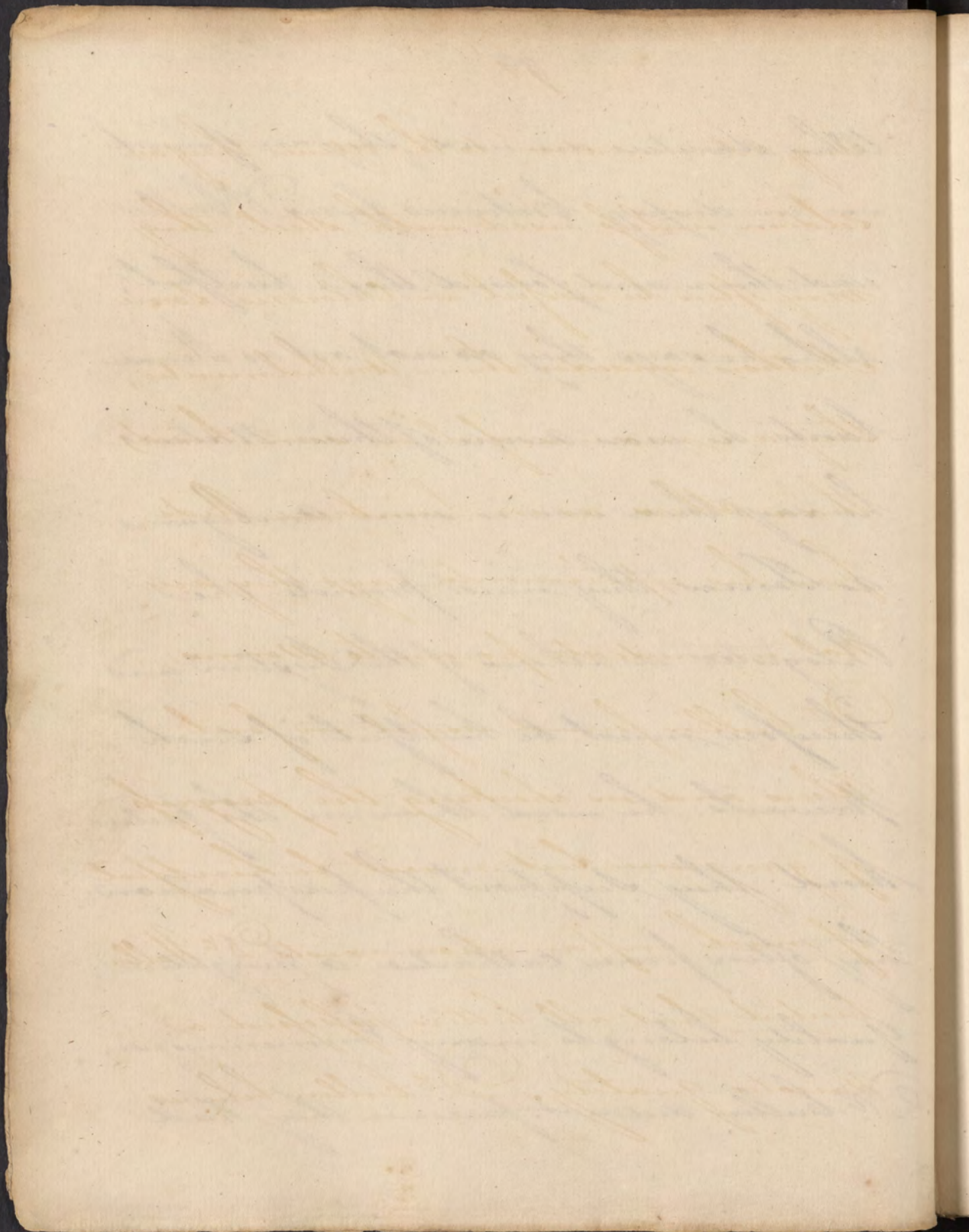
I judge it more probable that many of the effects of Tonics are produced by their Stimulating quality. I believe all Tonics are Stimulants tho' in various degrees. Bitters have a great name for dissolving Visceral obstructions but by ascribing such affects to them

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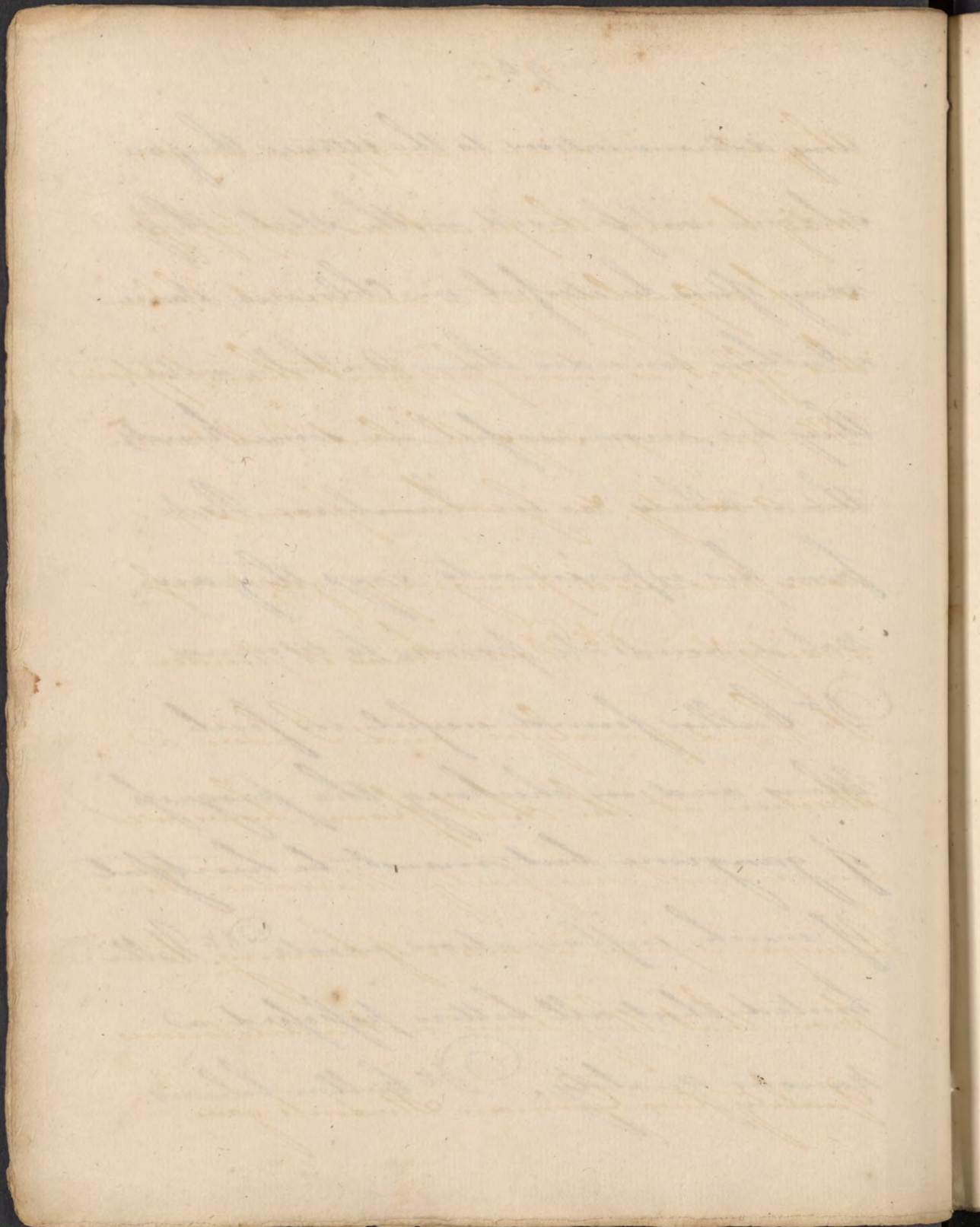
indicates our intire ignorance of our
 System. Cullen found them of no benefit.
 Costiveness in Sedentary persons arises from
 a torpid state of the Alimentary canal;
 and they are useful, as Ducties. Dr. Cullen
 says he never found their Operation
 Manifest, but they sometimes act as
 such. I believe all Stimulants do some-
 times. the Scutellon Laracacum is
 bitter and ductie, so is Opium they
 have been used in dropsy. they are
 not I believe sufficient of themselves,
 they are often joined with Alcaline
 Salts which increases each others
 powers, Tonics are too much neglected

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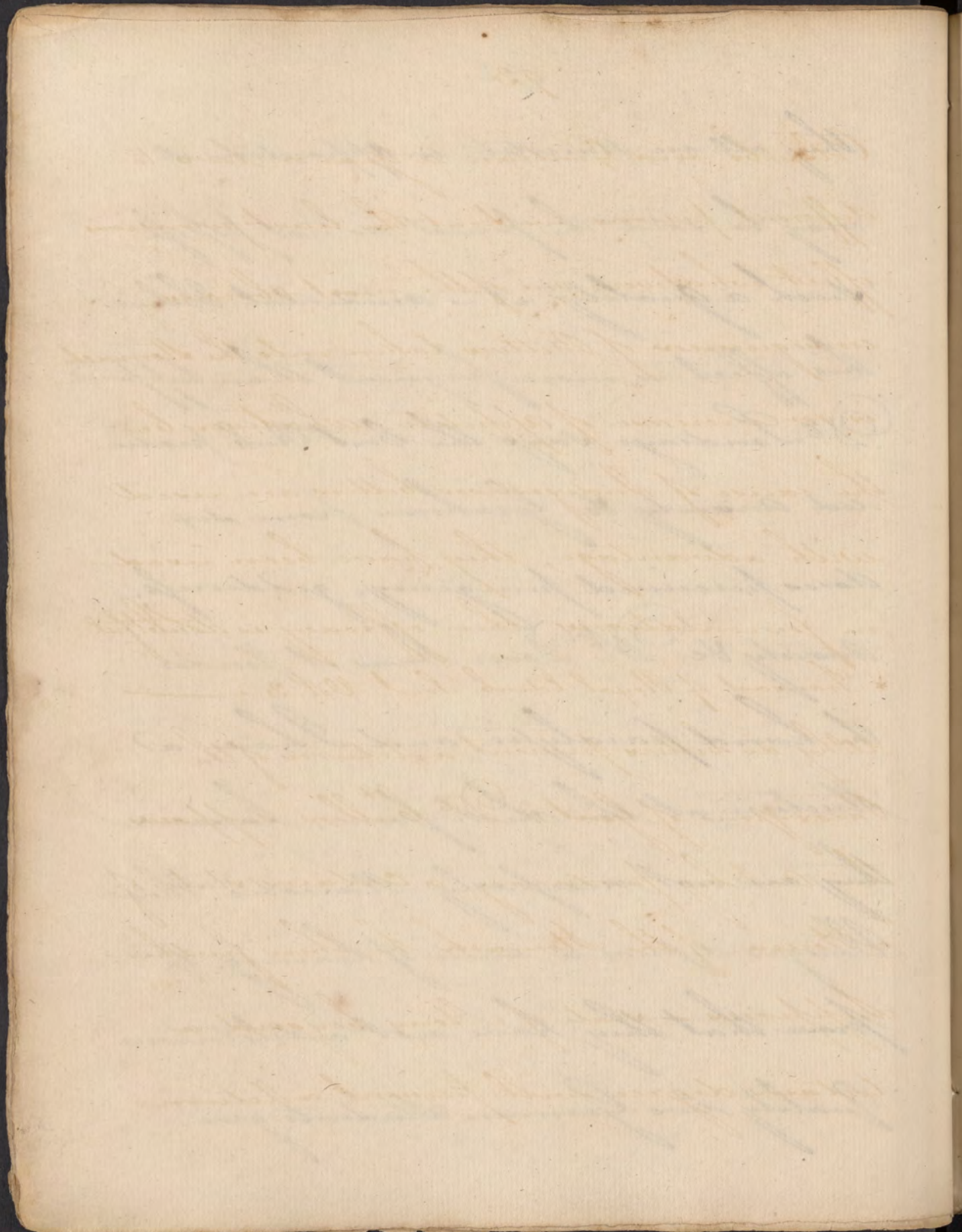
When diuretics are used: they are of much
 use in dropsy. Continued fevers. Dr. Cullen
 used them and found them hurtful;
 altho he says they do not act as Stimu-
 lants he was aware of their Nature
 he says their use is some Ambiguous,
 as Tonics, they must promote the
 Phlogistic diathesis of the System and
 therefore must be hurtful if such
 prevails: he used them in the putrid
 kind: they support the perspiration:
 they often prove cathartic, a purgative
 Quality belongs to many Emmenagogues.
 Dr. Cullen did not perceive they had



Any determination to the uterus they are
 seldom unless used with steel. they
 may often be useful in Chlorosis. Some
 Authors consider them Anthelmintic,
 they are more useful in some kinds
 than others as in Lumbrice. Ride
 from his experiments says they are
 not immediate poison to Worms,
 Dr Cullen found useful in foul
 Ulcers and in checking the progress
 of gangrene but must be hurtful
 if much inflammation exists. Dr Haller
 hinted that all bitters possessed a
 Narcotic quality. Dr Cullen believes



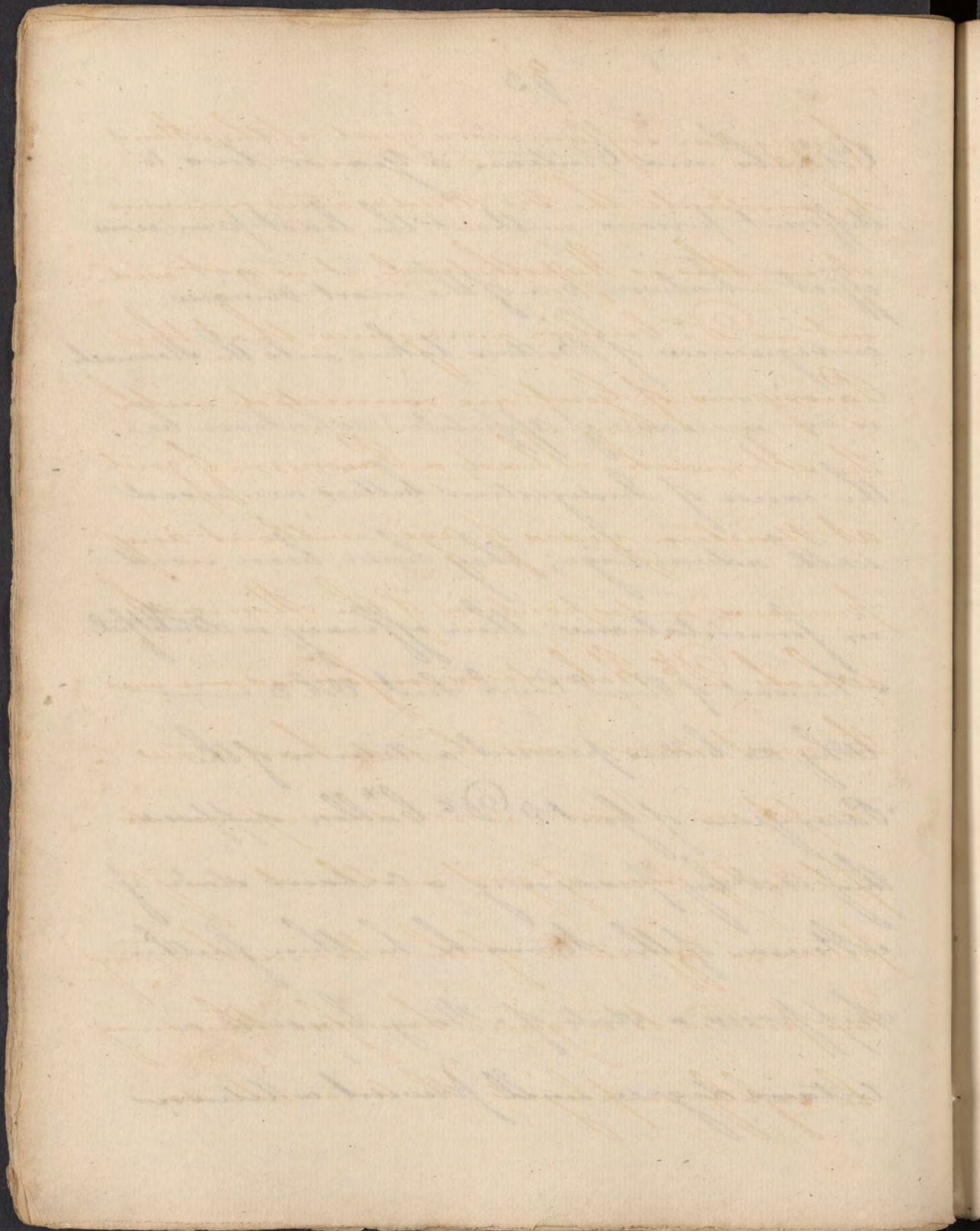
they all are Narcotic: in Opposition it
 may be said the purest do not possess
 such a quality, it is accidental, I believe
 this effect is more frequent than supposed.
 Dr. Lind says the Cort. Rub. produ-
 ced Anxiety &c. Graham from six
 doses perceived pungency, giddiness,
 Anxiety &c. Dr. Dover knew it render
 the hand paralytic, and I have a
 structure at the chest from. however
 they are not necessarily Narcotic. I know
 Vinegar deprive a man of hearing. to
 prove that they have not a deleterious
 Quality two German Students gave



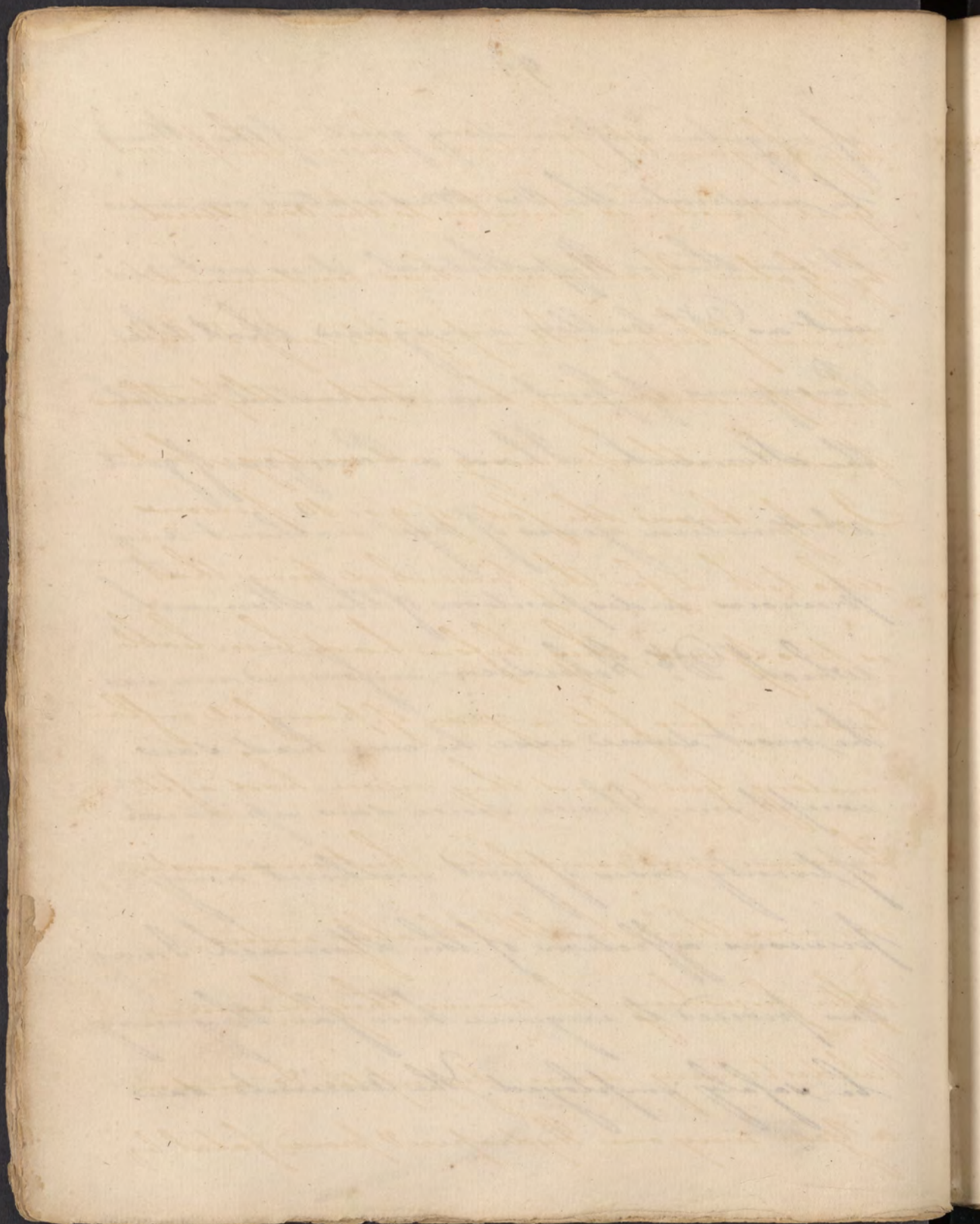
Colombo and Gentian a year or two to different persons without the least pernicious effect whatever. one of the most obvious consequences of Bitters taken into the Stomach is an increase of appetite. whatever be the cause of Indigestion bitters are used with advantage; they have been used in fermentations: their efficacy is doubtful.

* Transact. of Royal Edinb. Soc. Vol. 3. —

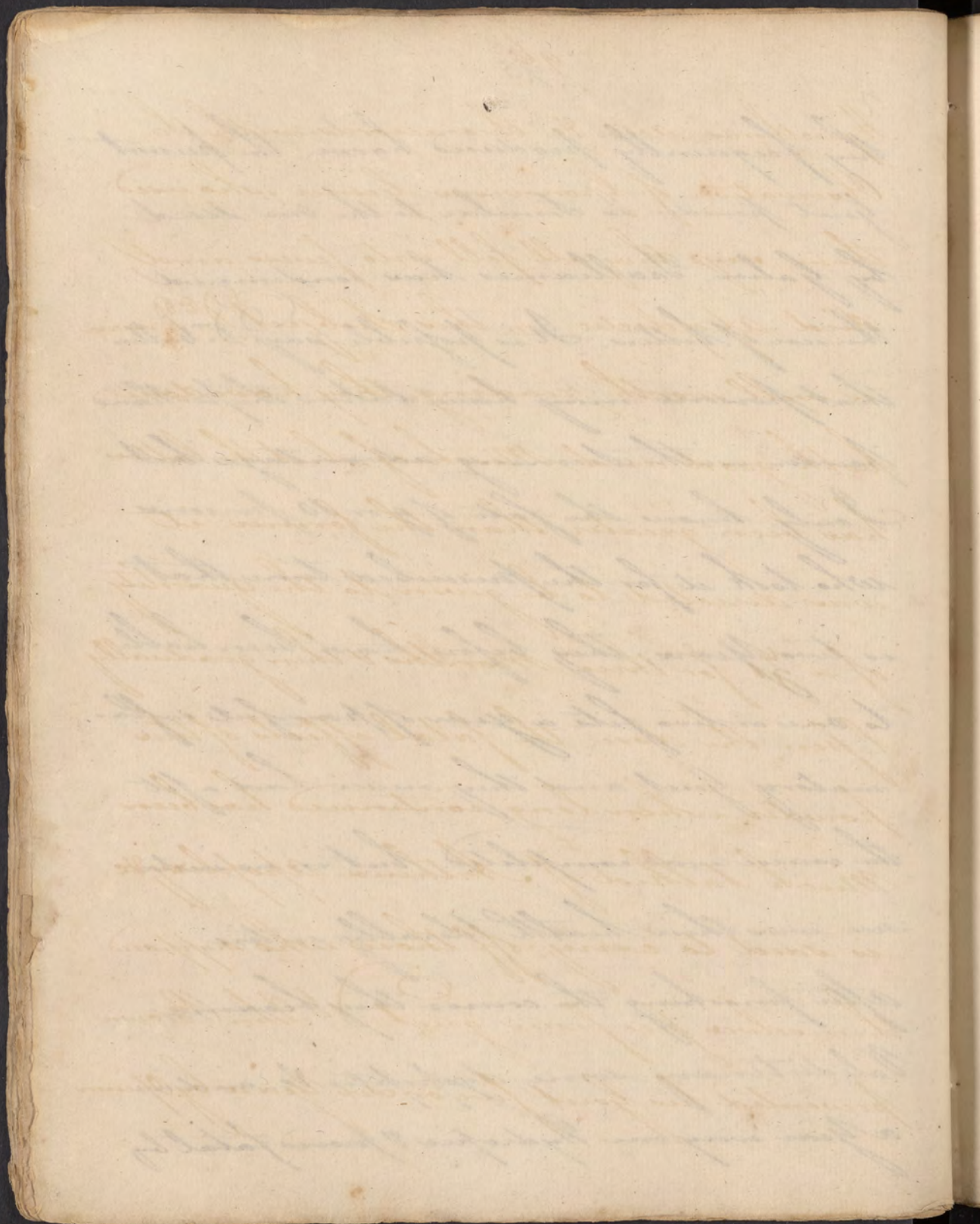
Why do bitters prevent a return of the Paroxysms of Gout? Dr. Cullen supposes they act by producing a certain state of Atonia. of the Stomach. he then further supposes a state of Atony beyond a certain degree will prevent a return



of irregular inflammatory gout. if the Stomach
 be moderate the Vis Medacatrix overcomes
 it. — this is Hypothetical, it is not wid-
 ent as Dr^r Cullen imagines that the
 Paroxysms of Gout are connected with
 the Stomach, I had a Paroxysm of gout
 at nineteen years of age without any
 previous indisposition of the Stomach
 which Dr^r Keberdeen informed me was
 the most severe case he ever had saw
 except one I have since saw, upwards
 of twenty cases of gout without any
 previous affection of the Stomach. I may
 now proceed to enquire how far they may
 be safely employed. The Ancients saw



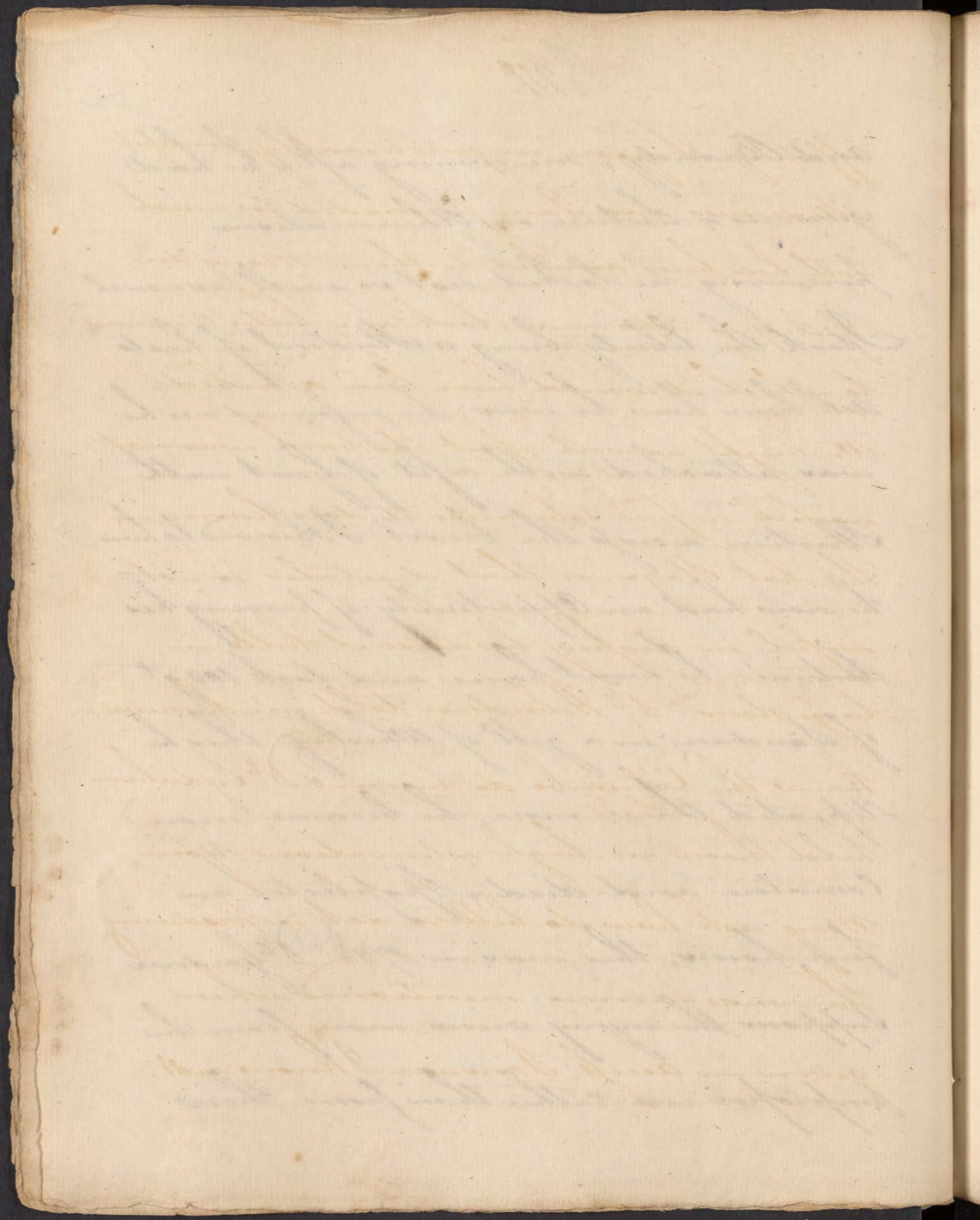
they frequently produced harm. the present
 Gout powder is similar to the one used
 by Galen. Trallianus has condemned
 the use of bitters. It is possible says Dr. Cullen
 that persons may have taken the portland
 powder with summing advantage but
 I only know the fate of 9 or 10 persons
 who took it for the prescribed time that
 is two years; they before had been liable
 to one or two fits a year of painful infla-
 matory Gout and they never had a fit
 the course was completed. but in no insta-
 nce was their health tolerably entire;
 after finishing the course they became
 Valedutinary some dyspeptic &c. and in
 a year every one Hydopic & proved fatal by



Hydrothorax, acitis &c. this accords with the
 Observation of Gronovius Geomer who used
 them says they all fell into fevers and
 died apoplectic, on this Subject D.^r Darwin
 is well worth reading. they have done
 both good and Mischief, but the latter
 has been greater than the former: it
 was directed to be given to the quantity
 of a ʒi. for three months & then gradually
 lessen the dose. the fatal effects of this
 powder when long continued has been
 much talked of. Asthma apoplexy &c.
 is said to carry off those who supposed
 themselves free from gout. D.^r John Brown
 prevented his Gout five or six Years by Opium

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and Brandy; one evening after he had given us a Lecture on Rheumatism perceiving he looked not so well as usual I took the liberty being a Student of his to ask him how he was; he informed me he was attacked with a fit of Gout with Stricture across the breast. I observed to him he now had an Opportunity of proving his doctrine; he went home and took 100 gr^s of Laudan. in a gill of Whisky. this he repeated thrice more, he became more Comatose and died Apoplectic in four hours, this was in 1788. D^r Gardner supposes the injury arises more from the improper use rather than from their



efficacy. they are unquestionably powerful
 Medicines and I am persuaded too much
 evil has been ascribed to them. Many die
 of dropsy who never took any bitter Medicines
 to which it would have been ascribed.
 We might as well assert the bark was not
 useful in fevers because it does harm in
 the hot stage, or that digitalis is not
 useful in dropsy because it kills in
 large doses. Dr. Heberdeen told me he never
 knew the Columbo do harm & Dr. Sydenham
 held them in high estimation. You
 may ask how do bitters act in producing
 the consequences mentioned when
 given in excess, I answer I know not.

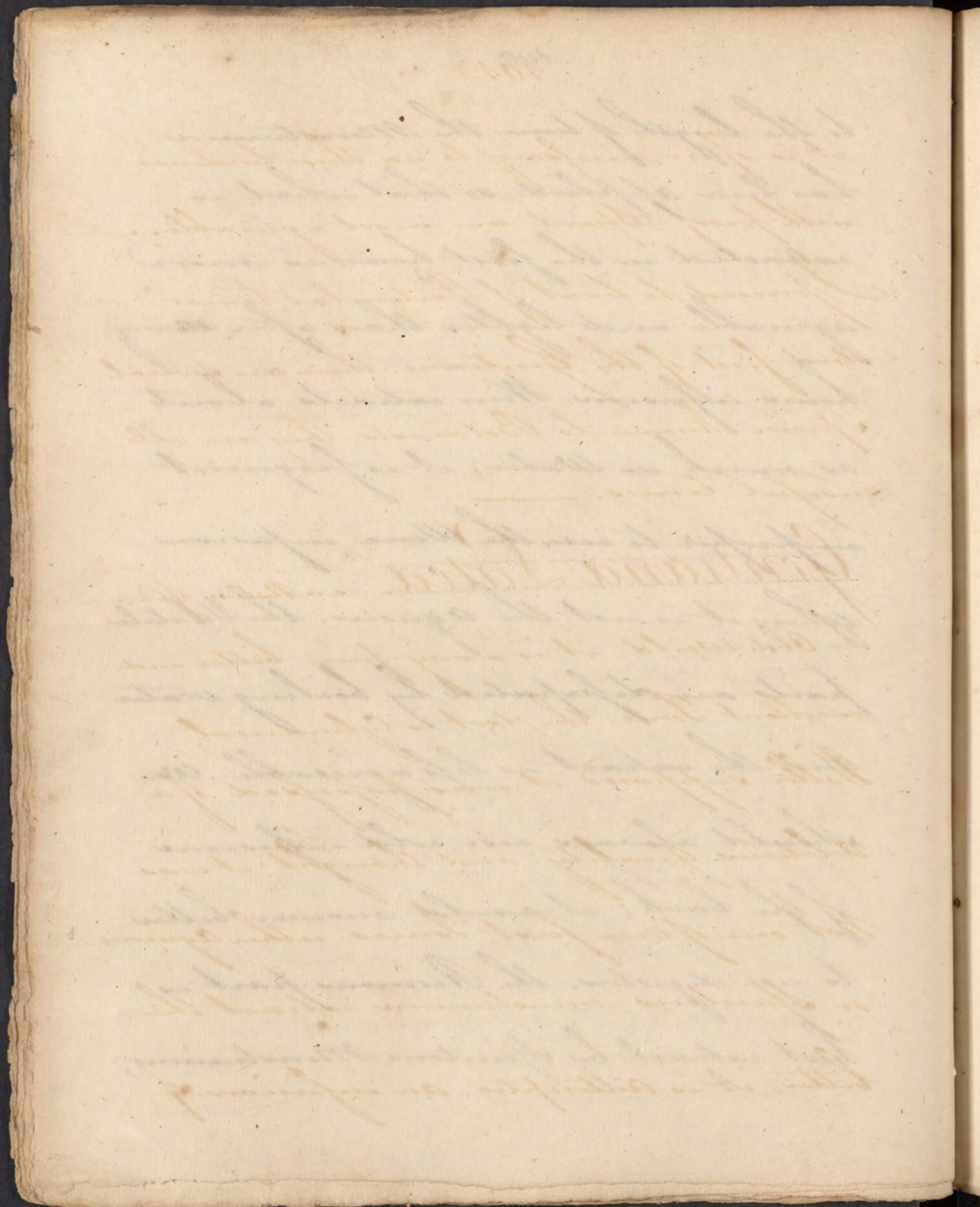
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but they are stimulants and may create an artificial fever which may produce them.

Pharmaceutical Treatment.

The Medicinal parts of bitters may be extracted by either Watery or Spiritous Menstruums and such extracts may have the Virtues of the Substances from which they are taken. An Aqueous infusion is used: it is not so good as in Substance. Sometimes the Stomach rejects the bitter substance where cold infusion may be used. A warm Infusion is stronger than the Cold but sits better on the Stomach and is sufficiently impregnated by standing 24 hours. The Matter extracted is different according

to the length of time the Menstruum
 has been applied so that what is
 extracted in the first hour is more
 agreeable and lighter than after many
 hours infusion. Wine extracts about
 as much as Water; it is frequent
 improper to use the Wine infusion
 when it is not the aqueous. the Volatile
 parts are dissipated by boiling water
 and the extract is less agreeable. We
 should always use cold infusions
 of the bark; it would answer better
 to use digesters. the Resinous part is
 best extract by Spiritous Menstruums;



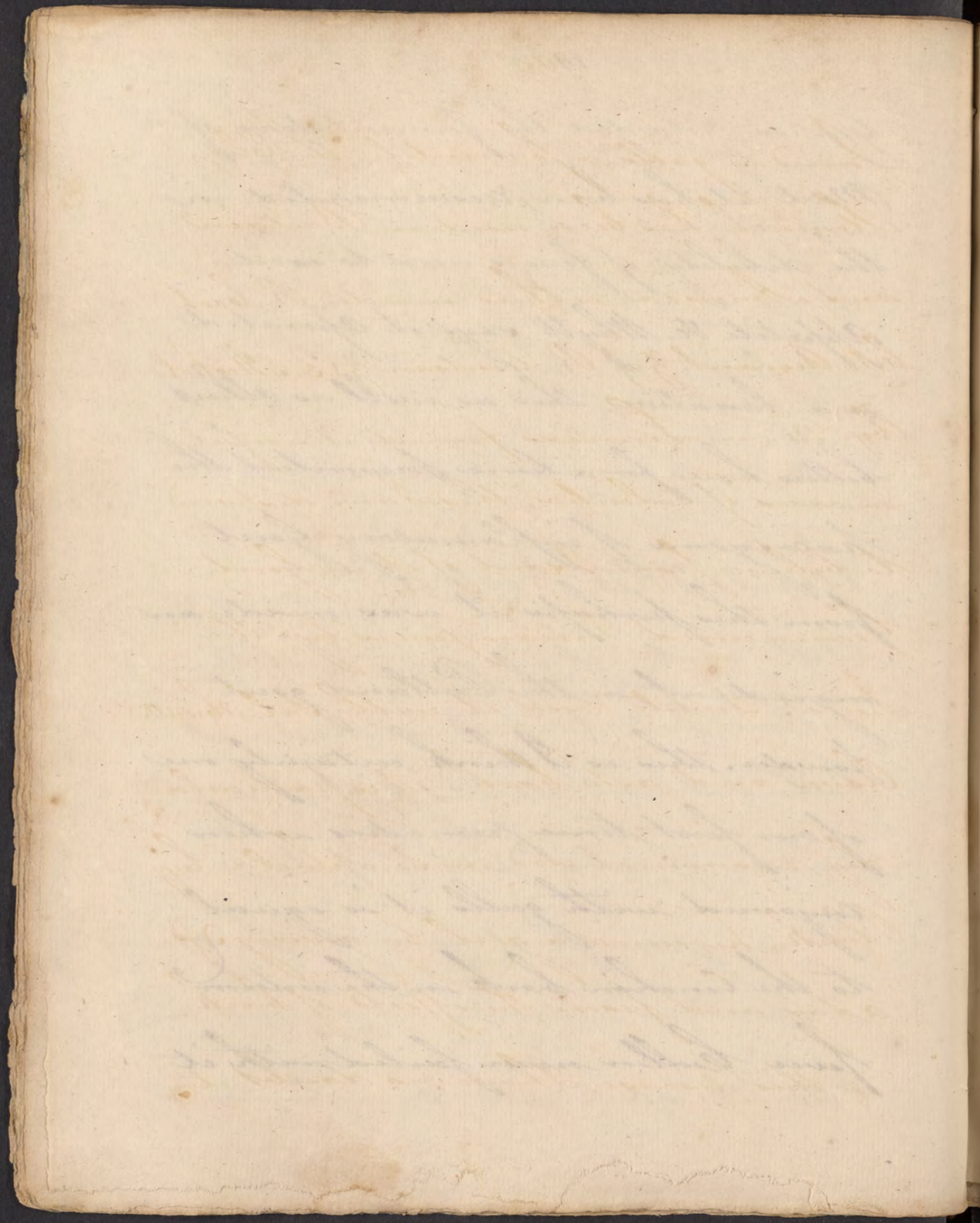
it is often necessary to use these tinctures
with proof Spirit are most agreeable. —

Proceed to treat of Particular tonics
And first of the Gentians: there are several
Species known to Botanists, they are all
useful tonics. —

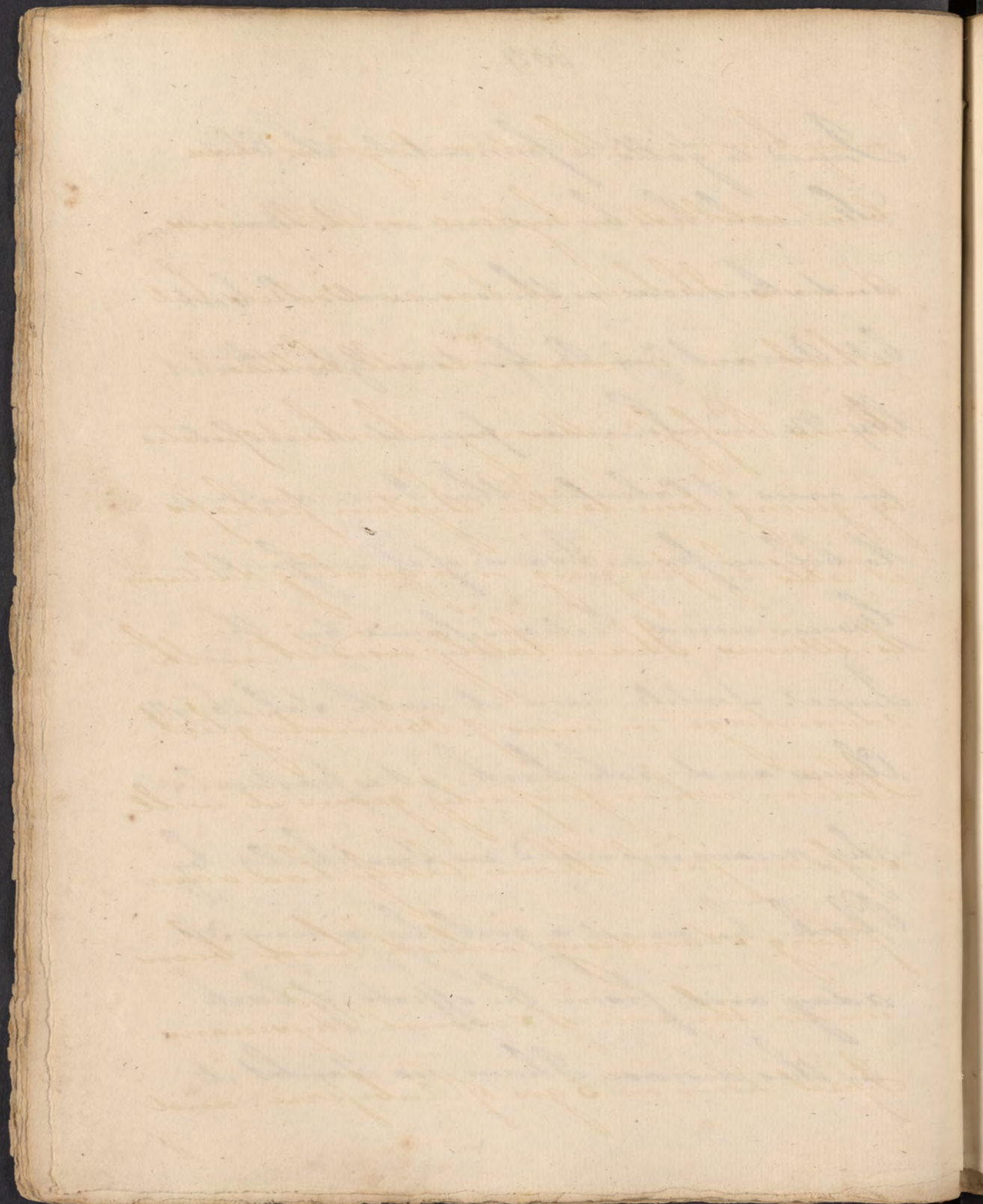
Gentiana Lutea. is a Native of
the Old world. it is a very pure bitter and
excellent Tonic. the root is cylindrical.
Haller supposed it was possessed of a
delicious quality: and thought it was
Not one of our first Tonics. either aqueous
or Spiritous menstruum extract the
bitter. it is antiseptic. an infusion of

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Gentian retarded the fermentation of
 Meat. it has been recommended in
 the debility of fevers and to excite
 Appetite &c. Whytt says it Operated
 as a laxative. this as well as others
 bitters have for a time prevented the
 paroxysms of inflammatory Gout:
 from this perhaps it was made an
 ingredient in the Portland gout
 powder. this is I think certainly one
 of our first tonic remedies when
 conjoined with galls it is equal
 to the Cinchon bark in the interm?
 fever. Cullen never failed with it

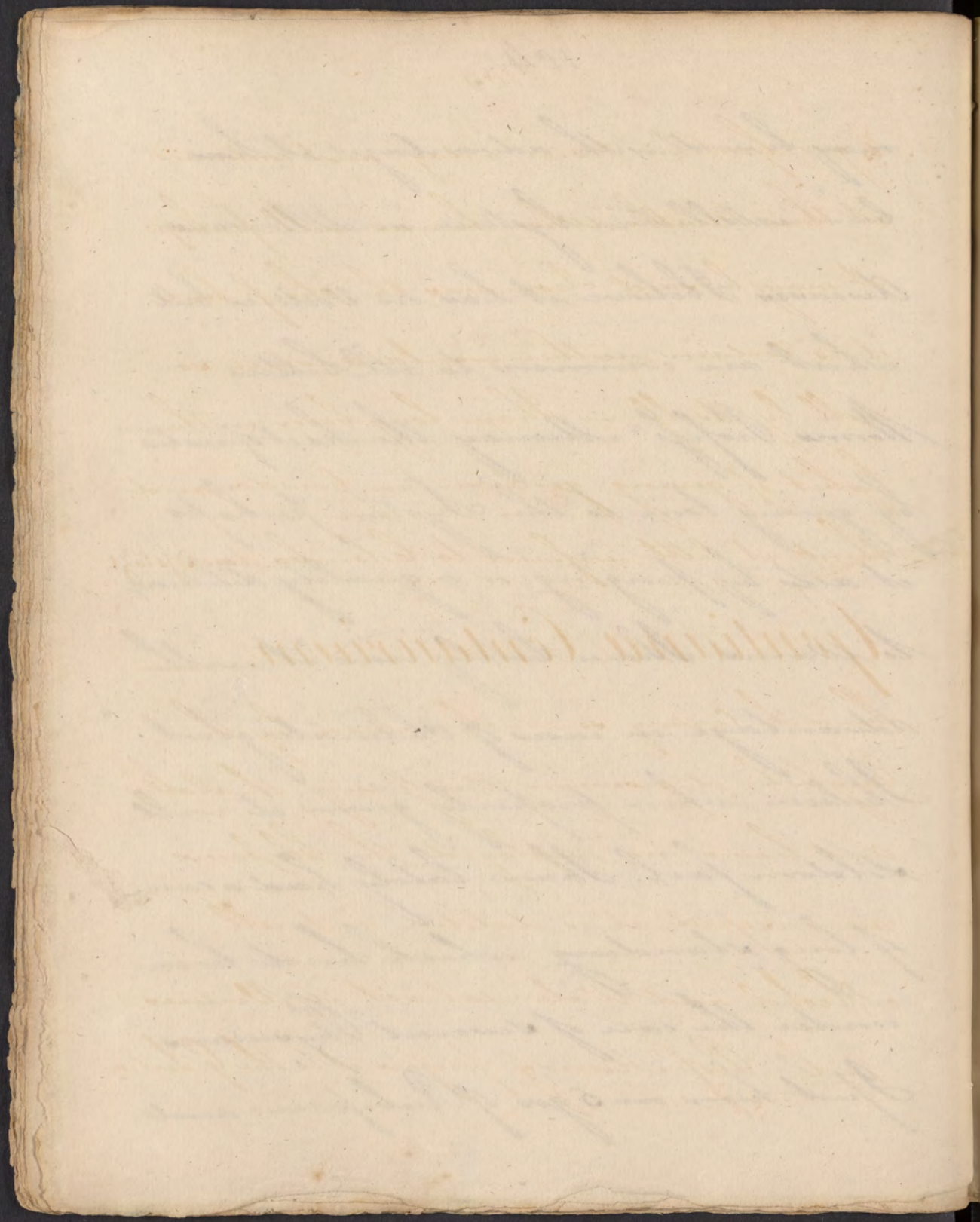


Joined to galls a fermentile. the Elix.
 Stomach has been used in Britain
 and America, is thus made. R. Cort.
 Cit. Aurant. ʒij R. Gentean ʒf3 . Alcohol.
 lbj. vi. — Linnæus found it useful
 in cases of Calculus, this I am disposed
 to believe from I said of it in gout.
 Gesner cured Tertian fevers by the
 Juice. Sentile used it with Sal. Absinth.
 Cloves and ash bark. it is particula-
 -rly recommended in Scrophula by
 Plenck, he cured a girl by giving ʒss
 a day and from the effects of bark
 in this disease I have no doubt it



may be used with advantage, it has been extolled in hysteria and Nervous Diseases I believe it has no virtues but what are common to all bitters.

Worms. Profess^r Murray thinks it operates by giving tone to the System perhaps it acts by purging or a quality detritious to Worms. I have lately used it with advantage in cases of Obstinate gleet. I believe when properly given it will seldom fail. I have lately had a case of long standing which had been under the care of several Physicians I put him on 5 grs. of Rubi ferre: and



8 grs. Gentian twice a day, and continued it three Months when he was well. perhaps it may be said Iron was the chief but it is certain neither would answer so well by itself. — I have long been in the habit of giving gentian in powder and think it little inferior to Colomba. dose \mathfrak{ss} to \mathfrak{z} .

Gentiana Centaurium.

This is the Century so much valued by the English. it grows in New Jersey. the stalks and leaves are employed: the blossoms are insipid, it is destitute of smell.

Alcohol and Water extract its Virtues well. Prof. Murray prefers it to the *G. Lutea*

1870
The following is a list of the
names of the persons who
have been admitted to
membership of the
Society since the
last meeting of the
Council. The names are
given in alphabetical
order of surnames.
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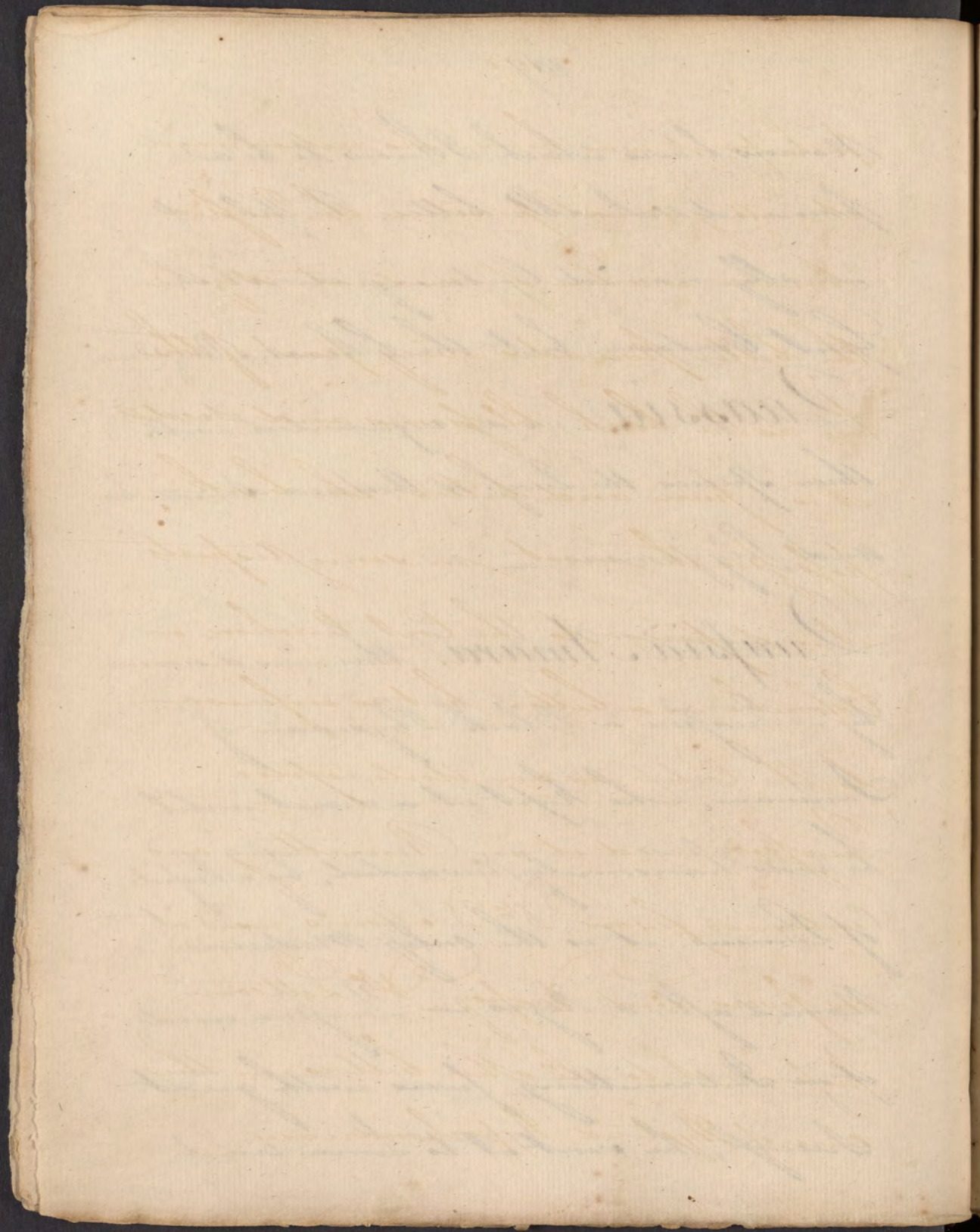
than which I think it much less valuable
 Dr. Cullen says it takes up more of the
 Menstruum and spoils the Tincture.
 he remarks that as an Antiseptic it is
 not inferior to the other Species. both
 Species have been used in Jaundice.
 this sometimes depends on a torpor of
 the Alimentary canal and in such
 cases I have no doubt it has been used
 with success. America possesses several
 Species not known in the Old World
 which would be well worth attending
 to. In the Glaciers of Pennsylvania
 I have seen a low kind of Centaury with

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Narrow leaves which I know to be a
 pure and valuable bitter. The plant
 usually named Centaury is not the
 Gent. Centaur. but the *Chirona Angularis*.

Quassia we are acquainted with
 three species. the *Quassia Amara*. *Simaruba*
 and *Polygamia*. —

Quassia Amara. this was discovered
 by — Quassia a Black Physician of
 Surinam, who kept it a secret until
 he was handsomely rewarded, by a Pupil
 of Linnæus. it is the only Medicine
 Named after a Negro. — Quassia used
 it in Intermitting fevers with great
 Success; he sent it to Linnæ and



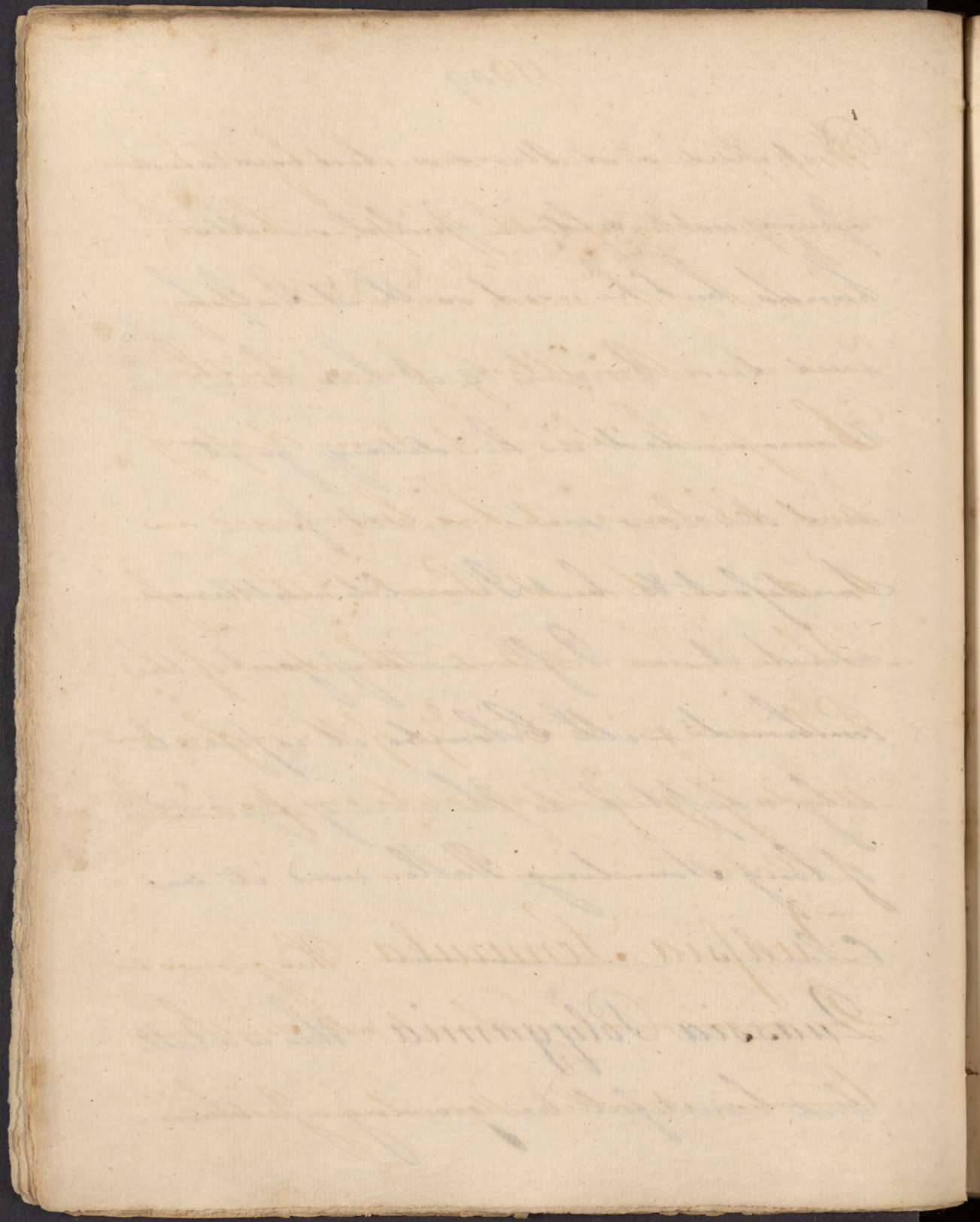
perhaps it was him who introduced it into general practice. the *Quassia Amara* is a tree of moderate size; the bitter pervades every part of the tree as the bark, blossoms and seed. it is a pure and bitter: the bark possesses the most. in some respects it is superior to the Cort. Cinchon. or Colomba as a bitter: but is inferior to the Cortex as an Antiseptic. Quassia used it in Remitting and Continued fevers. Dr. D. Morro used it in fevers and Dropsy. Dr. Lettsome preferred it to all other bitters in the cure of Hysteria, Hypochondriasis,

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Dispepsia and Nervous diseases and assures us it seldom failed in his hands, but he used with it Sulph.

Zinc. Sem. Cardoni &c. it has been recommended in hereditary gout: and deserves some credit from Sandifort &c. but I would not recommend it in Inflammatory gout, combined with Colic it is peculiarly adapted to the cure of dysenteries of long standing. Haller used it in Calculus.

Quassia Polygamia This is a tall and beautiful tree growing in the

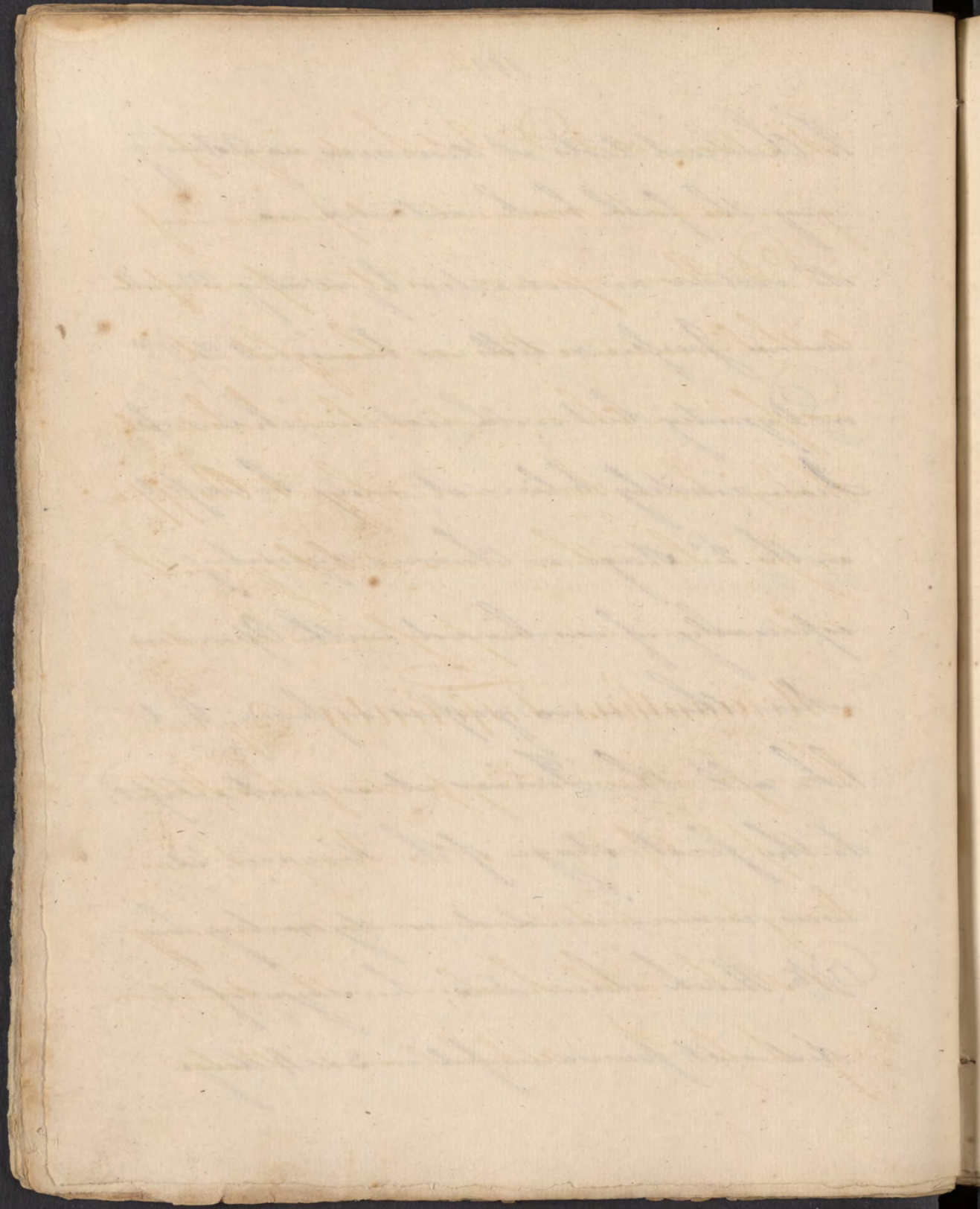


West-Indies and is described by Mr. Lindsay.
 every part except the pulp is bitter;
 the bark is the most so. Dr. Lindsay
 used it in Remitting fevers with
 Success; he also used it in Dropsy
 and Choleries. it has been used in
 the disease termed Pica with success.
 I have never used it. the dose of the
 Pulp. is 15 grs. to ʒi or ʒss of the infusion
 made of ʒi of Quassia to one pound
 of Water. —

Quassia Semiruba. This grows in
 Jamaica and in almost all Southern
 Climates; it called Mountain Jasmine.

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

To Chemical tests it discovers no Astring-
 -ency: the fresh bark contains no
 its virtues are extracted by Watery Menstru-
 -um. Jussieu tells us he used it $15 \frac{1}{2}$ grs
 in Dysentry but with not much success.
 I can readily believe it may be useful
 in the 2^d Stage or Chronic Dysentry
 especially if combined with Opium
 where there is no gripes or fever; but
 like all other Tonics it is not adapted;
 to the first stage of the disease. it
 was recommended in dysentry by
 Dr Hugh Saunders; he says if it
 did not prove useful in 3 or 4 days



it seldom did. Dr. Linn says if
 given so as to nauseate it proved usef-
 ul. Dr. Haen assures us it is a powerful
 Anthelmintic. Monroe thought it
 useful in Chronic diarrhea: habitual
 cholics have been cured by it. Rouppe
 says where there was debility with
 cold extremities he performed wonders.

Menianthus Trifoliata Bog-bean.
 This is found in many parts of this State
 and plentifully in New Jersey. it is a
 Strong bitter but discovers no acrimony;
 it strikes a black colour with a solution
 of Sulp. Ferri. Alcohol and Water

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extract its Virtues. it is used in infusion
or the expressed Juice. in doses of ℥i.

it vomits and purges. according to some it
has particular good effects in keeping off
Proxymus of gout. Dr. Haller says Boerhaave
used it for his Gout. it has been used in
Nephritis Podagrica. it was thought useful
in Scrophula and diseases of the Skin.

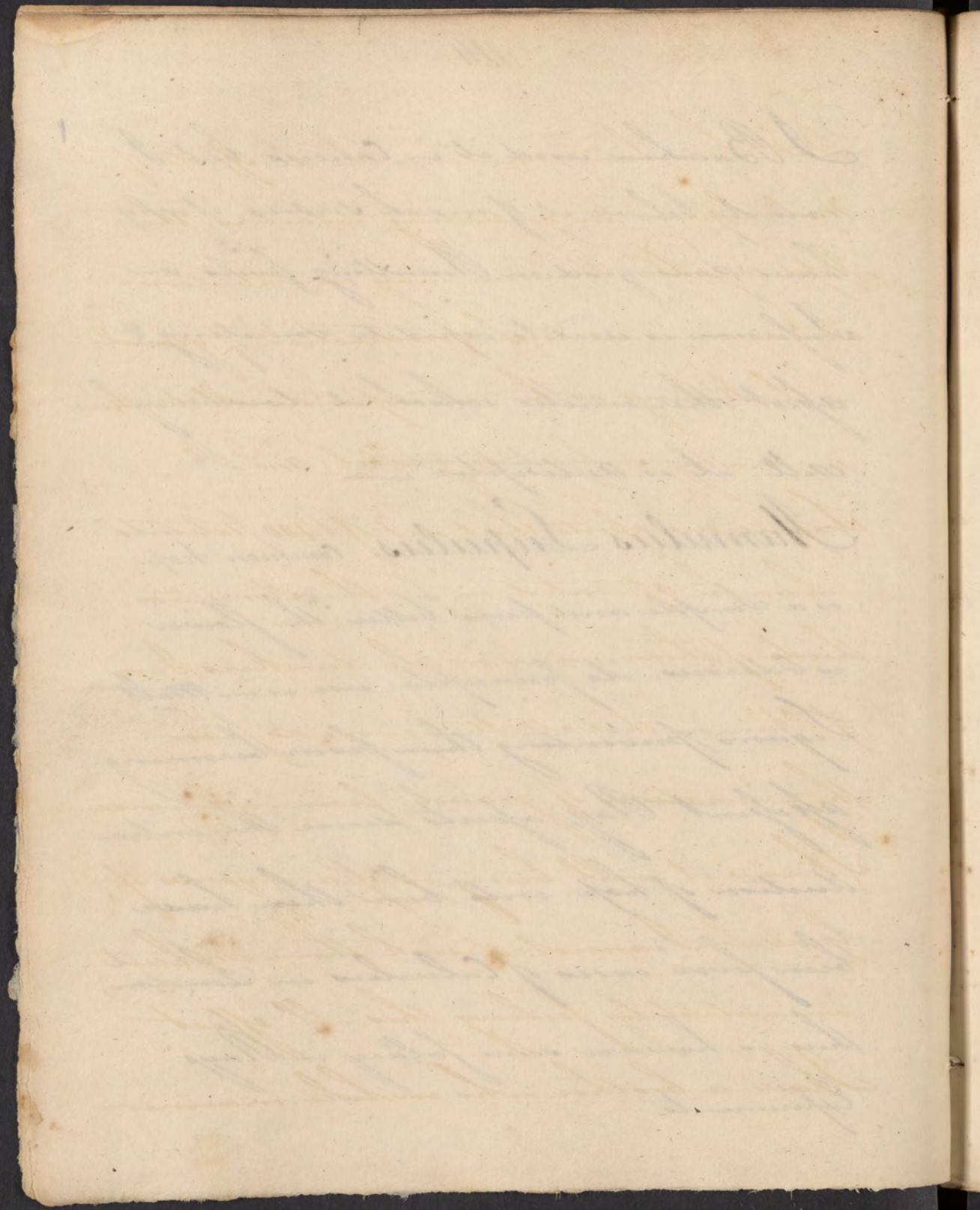
In N. Jersey it is used and we are
assured with good effects in Rheumatism.
Centaurium Benedictum. This is a
Native of Spain; it is a Simple & pure
bitter; it leaves a penetrating bitterness
when tasted tho' not very durable.

Aqua Menstruums extract its Virtues.

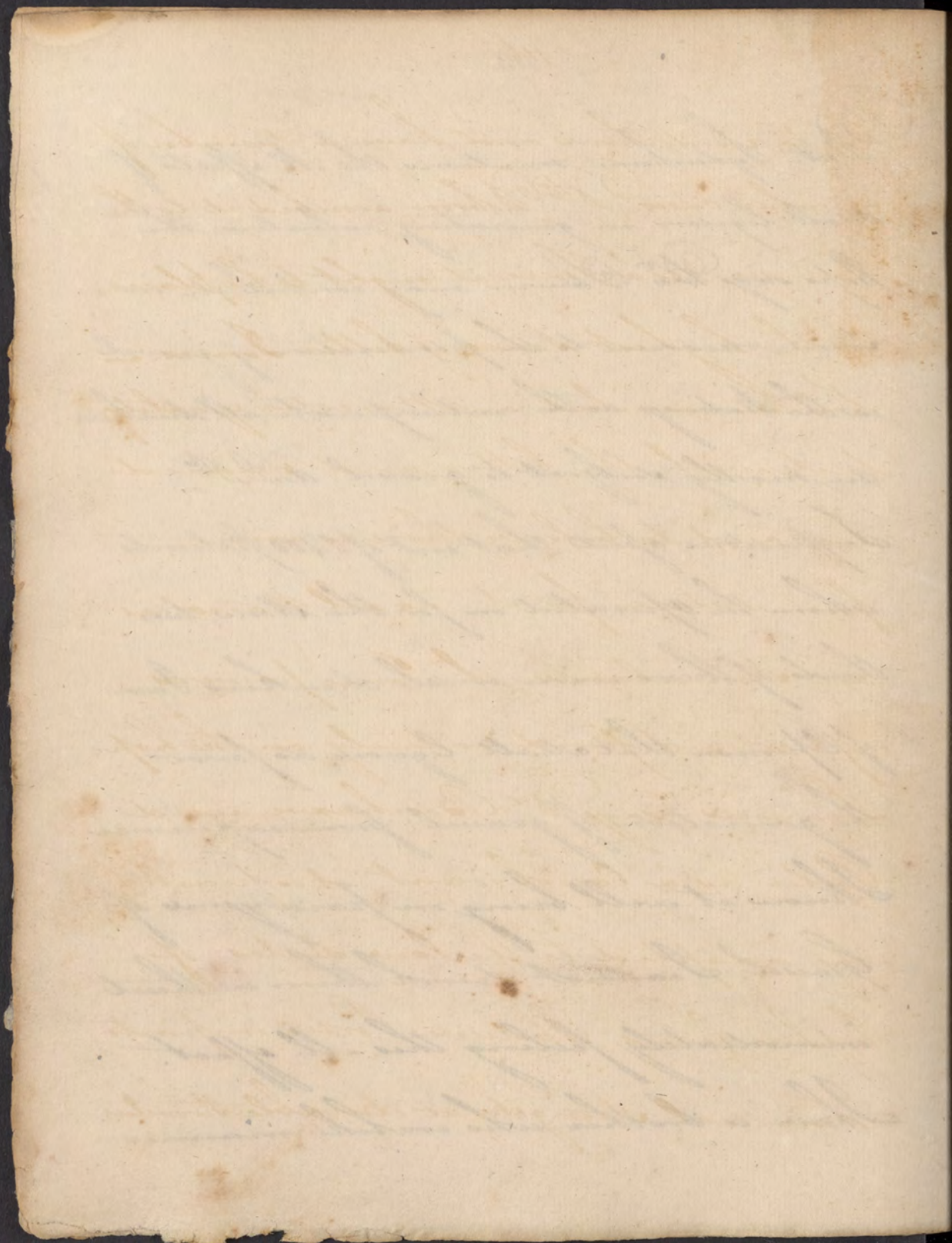
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J. Bauhin used it in Cancers, but I cannot believe it of much service. it may have done good in Remitting fevers. an Infusion is used to expedite vomiting & assist other emetic which it does very well: it is Antiseptic. —

Humulus Lupulus. Common hop is a Simple and pure bitter: the flower is Odorous. its principal use is in Malt Liquors preventing them from becoming aseptant. Ray asserts since the introduction of hop into beer there have been fewer cases of Calculus in London; there is however some fallacy in Ray's Experiments.



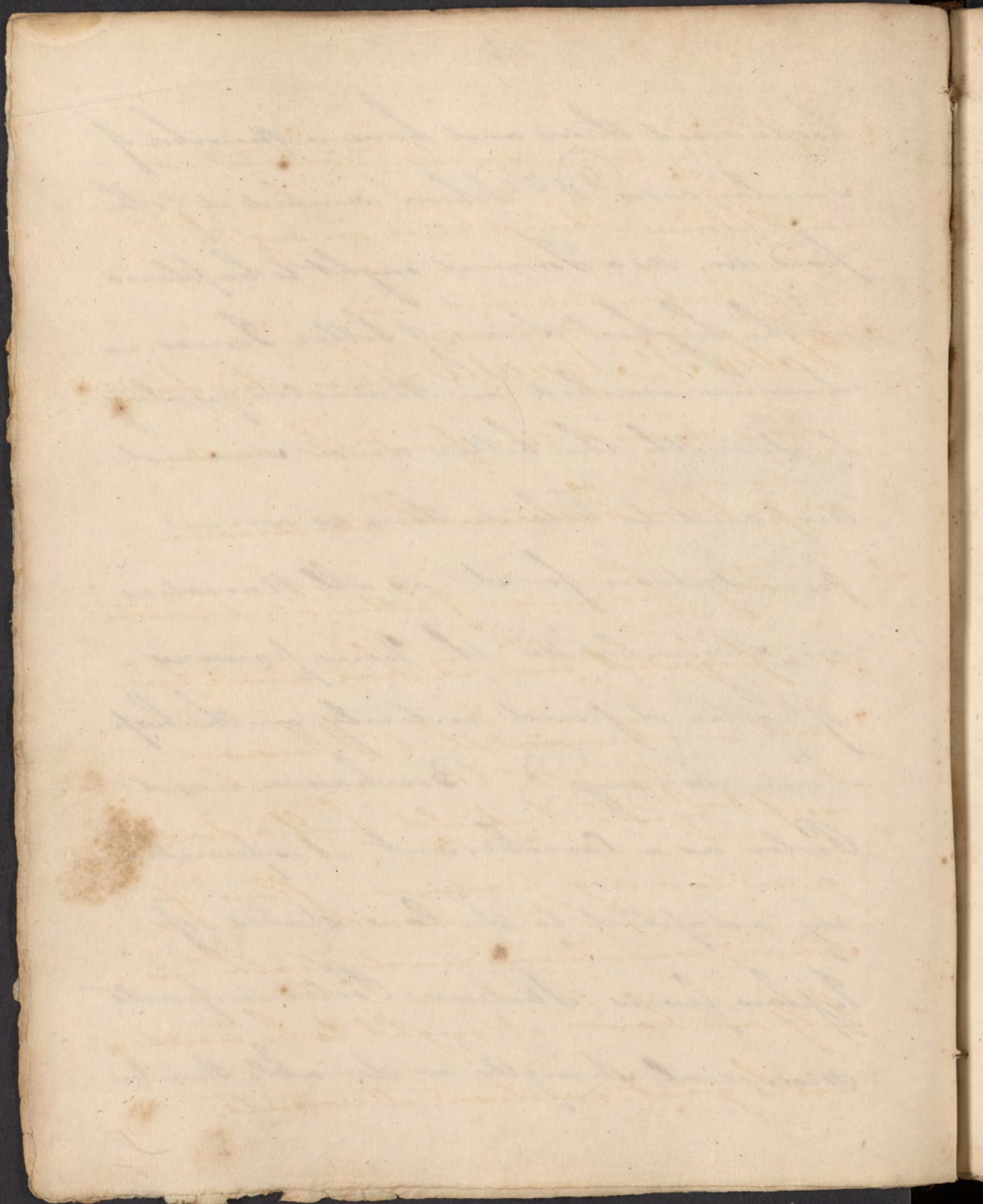
Doct^r. Sydenham mentions the ill effects of
 Malt liquors in generating calculus. the
 Pope says ^{Dr} "Darwin may contribute in
 some measure to the production of gravel
 in the kidneys as the intemperate all drinkers
 are mostly subject to gravel: and Dr
 Sciprucus asserts that out of 1400 patients
 whom he operated on for the stone, two
 thirds of them were or ale drinkers. I am
 of Opinion that Malt liquors do favor
 the generation of gravel: from experience
 I know it will bring on paroxysms of
 Gravel. I cannot drink them without
 immediately feeling this ill effect.
 I have a brother who in like manner







has to avoid them and have a number of similar cases. Dr. Dobson ascribed it to the fixed air. as a Tonic it ought to be placed in the highest Series of bitter Tonics. — Linnaeus ascribed an Narcotic quality to it with the bitter and seemed disposed to believe there is some foundation for it: as all Narcotics are Stimulants. the Tonic powers of Porter depend entirely on the hope. Linnaeus says Dr. Boerhaave used Porter as a Corroborant. it is peculiarly adapted to the low states of Typhus fevers. I believe Porter imparts more real strength or durable Stimulus



than wine, in smaller quantities,
in Chlorosis I believe it is among the
most proper remedies. —

Faba St. Ignatii. this is a tree prod-
-ucing agard like fruit, the seed is
an intense bitter with an Aroctic
quality, this union of bitter and Narcotic
is a frequent one. it has never been
used in America that I know of
except by Dr. Duffield. half a drach
given to a dog produced a flow of
saliva, convulsions and death in
half an hour, it ought to be used
with great caution, it vomits,

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purges, causes convulsions cold sweats
Vertigo &c. In the Madrid Pharmacopie it is recommended in Intermitting
fevers. Dr. Lind boiled 2 grs. in $\frac{3}{4}$ of
Water, and says it cured two Quartants
but failed in twice the Number.
Valentine cured one case of Epilepsy
by a few grains of it. —

Strychnos Nux Vomica.

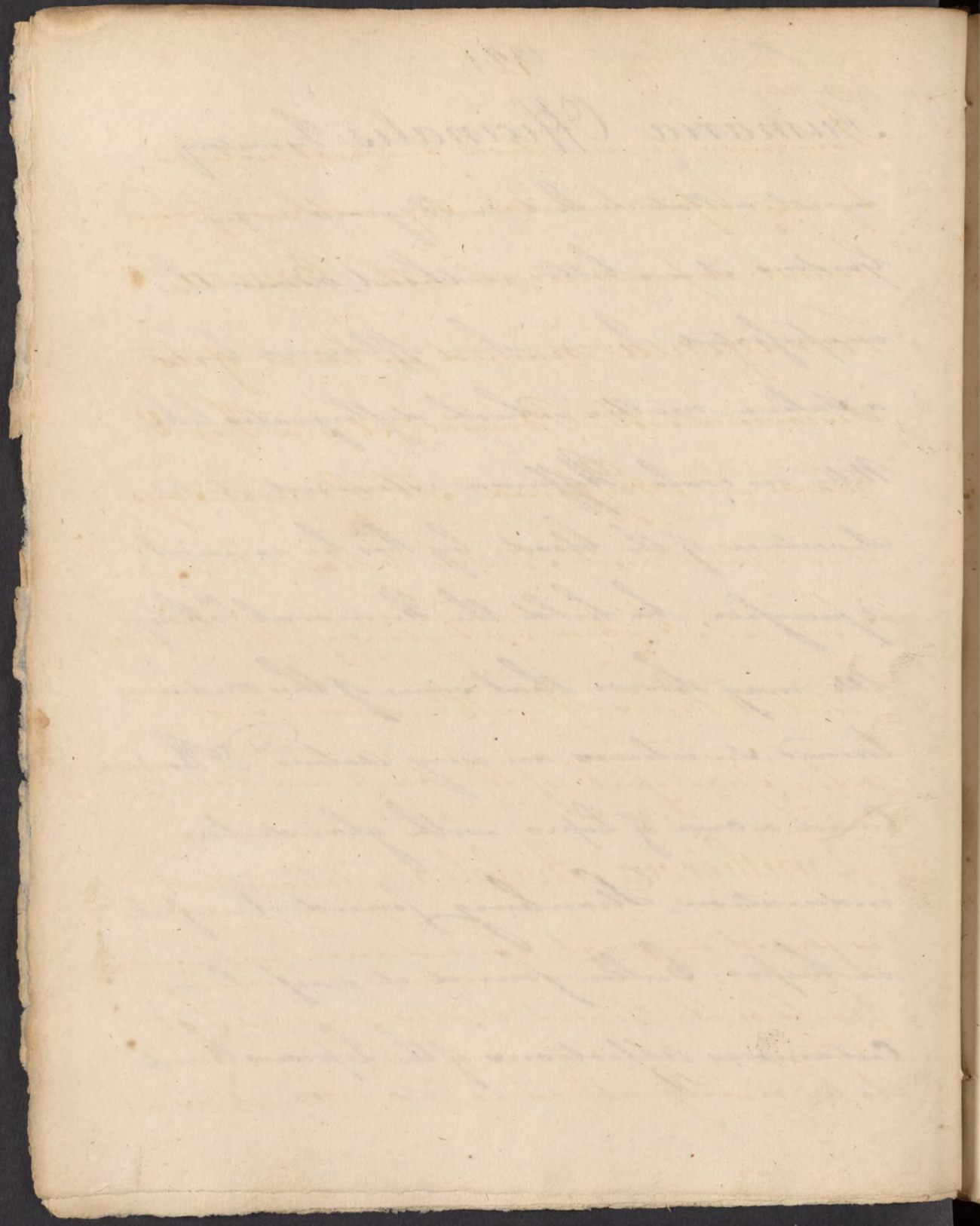
Bergius thought this was a Species of
the Genus Faba, but this is not the case.
it is the produce of a tree in the East
Indies where it is used as a Specific
against the bite of a Snake. the seed

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which is the part is the *Rex Vomica* of
 the Shops it is of an Orange colour, is intensely
 bitter and disagreeable to the taste: it
 contains gum and resin, it kills dogs;
 Conrad Gerner gave a dog ʒss. he fell
 asleep and died convulsed in 4 hours,
 but it was not a true Sheep, being a
 kind of Sheep accompanied with
 Insensibility. it has been used in
 intermitting fevers in doses of ʒss.
 It is used internally and externally
 as an Anthelmintic. the Spiritous
 Tincture has been found useful in
 Lumbrici Cotton dipped in it and
 applied to the Umbilicus has expelled them.

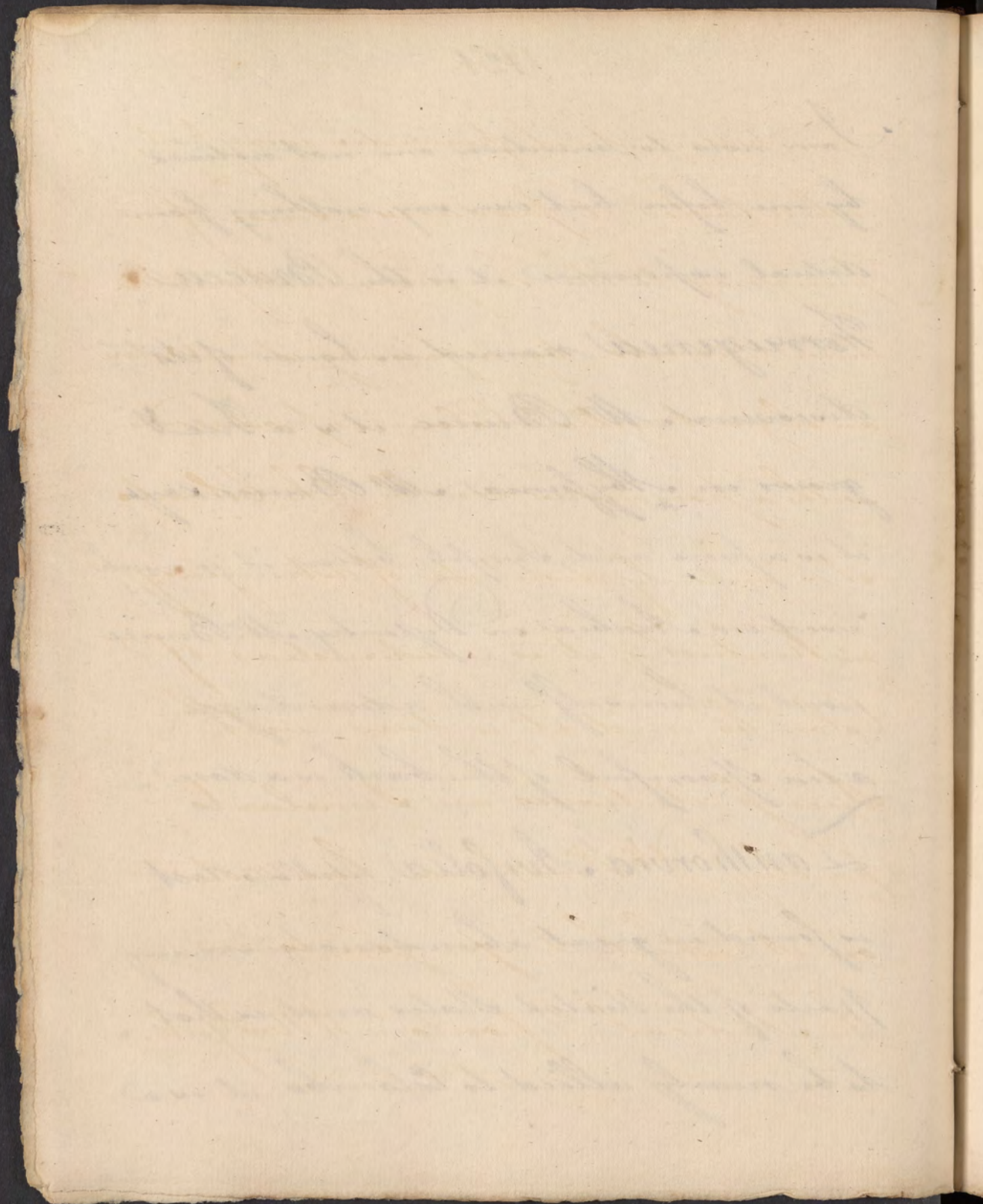
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Fumaria Officinalis. *Fumitory*
 is not a Native but will grow in our
 Gardens. it is a bitter without odour. the
 inspissated Juice when effloresced leaves
 a Saline matter which deflagrates like
 Nitre on coals. Hoffman esteemed it a
 Sweetner of the blood, by this he meant
 a purifier, he held the Humoral Pathology.
 We may observe that some of the medicines
 termed Sweetners are very active. Dr. Thompson
 Cured a case of Leprosy with glandular
 induration. Stranburg found it useful
 in herpes, Cullen found it useful in
 Cutaneous Affections of the Leprous kind.

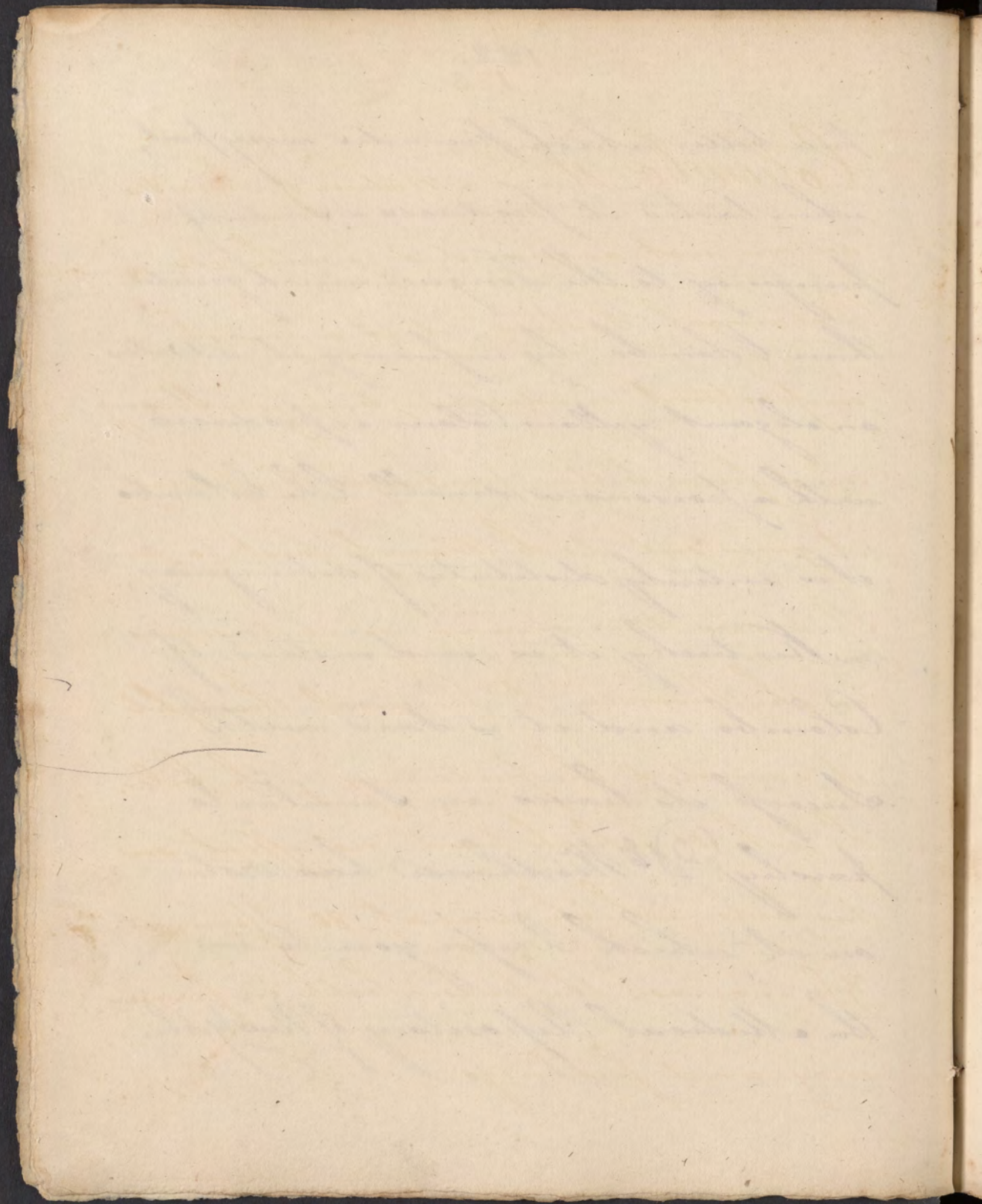


I am now to mention one not noticed by me before but can say nothing from actual experience, it is the *Brucea Ferruginia* named in honor of its discoverer Mr. Bruce. it is a Tree & grows in Abyssinia. Mr. Bruce says it is a pure and simple bitter. it is much used in Arabia in Dysentery. Mr. Bruce used it himself with advantage. a tea spoonful of the bark is a dose.

Lanthorvia Arifolia. Yellow root is found in great abundance in many parts of the United States and is thought to be nearly allied to Colombo. it is a



pure bitter which pervades every part,
 when tasted it produces a sense of
 pungency to the Tongue much greater
 than Colombo. by infusing it in water
 an elegant yellow Colour is produced
 with a poisonous smell, like Colombo
 it is entirely destitute of astringency,
 in Kentucky it is used instead of
 Colombo and it is said with
 Success its leaves are similar to
 parsley. Dr. Woodhouse has wrote
 on it which I refer you to in
 the Medical Repository of New York.



Columbo. this is a Native of Asia &c.
 we are not acquainted with its
 Botanical history, it is a most
 important medicine, being a strong
 and pure bitter, perhaps the purest,
 it gives out its bitterness best to a
 Spiritous Menstruum, so it resides
 in the Resin. Dr Percival thought
 it corrected the putriness of the bile.
 he took it which had no effect on
 his pulse which was at 80. I found
 ʒss. increase the pulse both in frequ-
 ency and fullness.

Collected in a garden

and was found in

the garden of the

house of the

house of the

house of the

house of the

house of the

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Dr. Bibb found it not perceptibly
 Stimulant nevertheless like other bitters
 I believe it is Dr. Percival recommended
 it in Yellow fever but I hope no Physi-
 -cian will trust the cure of this disease
 to it. Dr. Percival recommended it
 in Dysenteries in the first stage but
 it is the 2^d Stage only, I believe, that
 it can be useful. he used it in
 Vomiting diarrhea infantum &c.
 Dr. Cullen says it is little used in Britain
 and has no power peculiar in correcting
 putrid Chyle. Dr. Geo. Brown says he
 could not perceive it entitled to the

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

incontinence it had received in cholera,
 it is used with happy effects. Dr. Johnson
 used it in large doses Dr. Haygarth &
 Donl. Monroe found it useful in Bilious
 fevers. in Dyspepsia it is one of the
 most powerful and agreeable Medic.
 we know I prefer the Root in sub-
 stance; the Watery infusion or decoction
 should never be used unless it is
 given in a days time; the Mucilage
 it contains will ferment and not
 be fit for use, I have given it with
 Rust of Iron, this is a powerful Tonic.

My dear Mother

I have just received your letter of the 10th

and was very glad to hear from you

and to hear that you are all well

I am well and hope these few lines

will find you all the same

I have been thinking of you very much

and wondering how you are getting on

I hope you are all happy and content

I have not much news to write you

at present but I will write again soon

I am your affectionate son

John Smith

P.S. I have not time to write you

more at present but I will write again soon

The dose for an adult is 10 or 15 grs. 4 or 5.
times a day but it has given in doses
of $\mathfrak{z}\text{i}$ every 3 or 4 hours. Dr^r Abernethy
told me in 1787. he never knew it
hurtful in Gout, it is the only bitter
that has sustained its character
all others have been condemned
as containing something narcotic.
A beautiful tincture is formed by
putting $\mathfrak{z}\text{ij}$ of A. Colomb. lbij of proof
spirit. —

Hydrastis Canadensis. this is extremely
nearly allied to the Colombo & *Lantheriza*,
the root is intensely bitter and somewhat
more poisonous. —

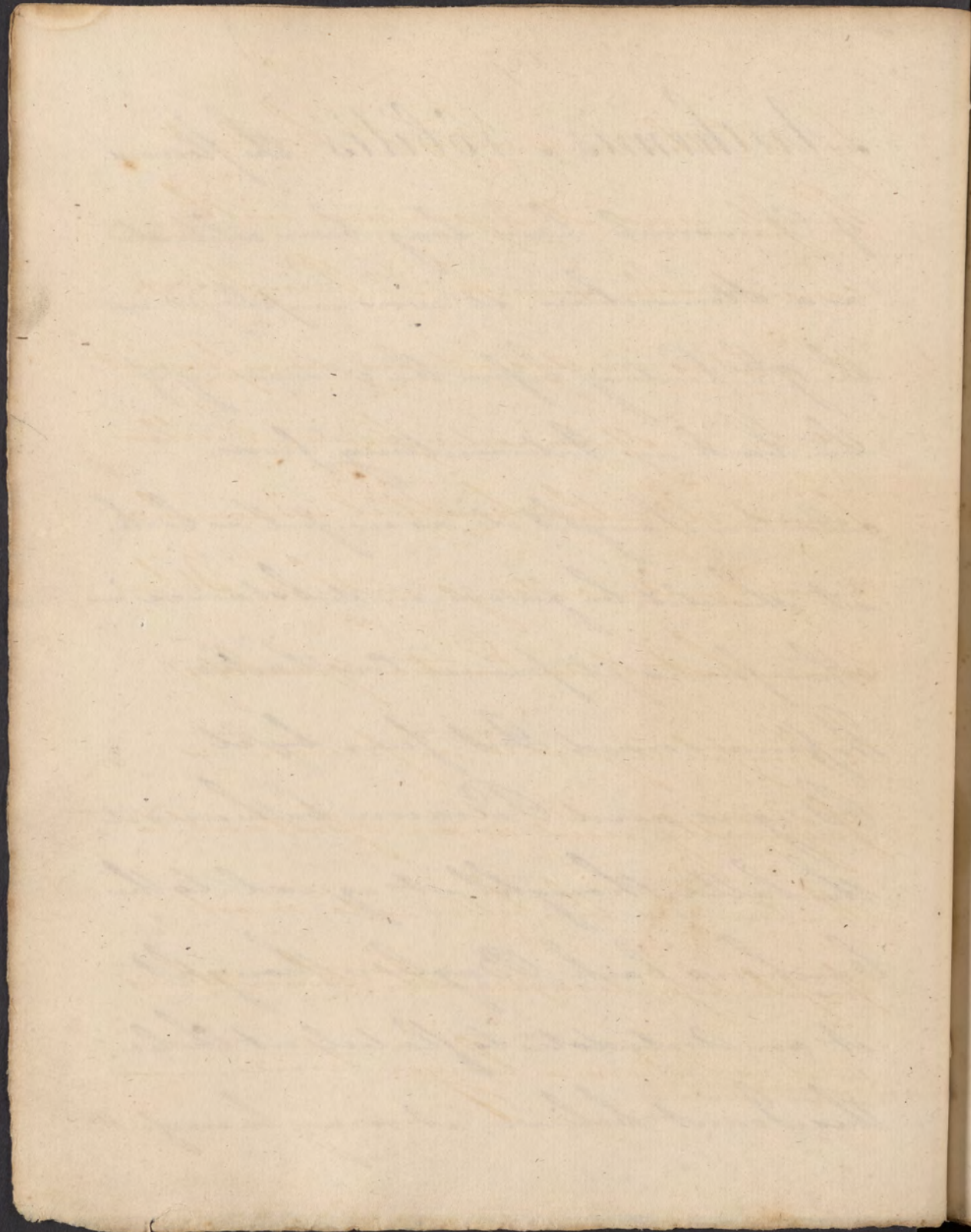
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Anthem. Nobilis, the flowers
of Chamomile have long been celebrated
as a Stomachic. it was employed in
the 17th Century before the discovery of
the bark in Intermitting fevers.

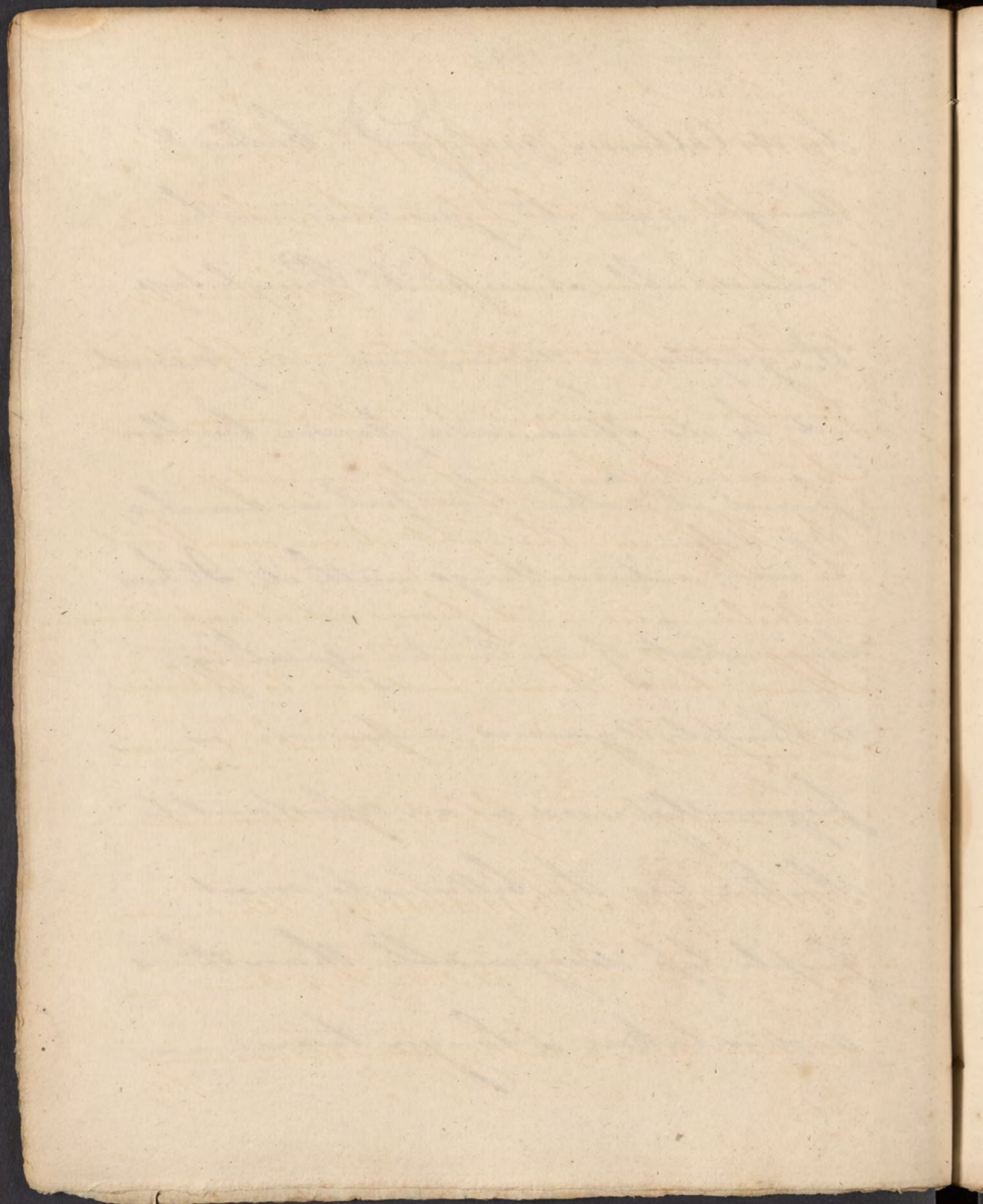
Morton thought it as useful as bark.
it should be given in substance in
other forms it proves Cathartic.

Hoffman cured Int. fever by it.

Bergius and Petcarr both used it,
the latter thought it equal to the
Cinchona bark. Baglivi thought
it an Antidote to flatulent Cholera.
this I can't believe, it may be useful

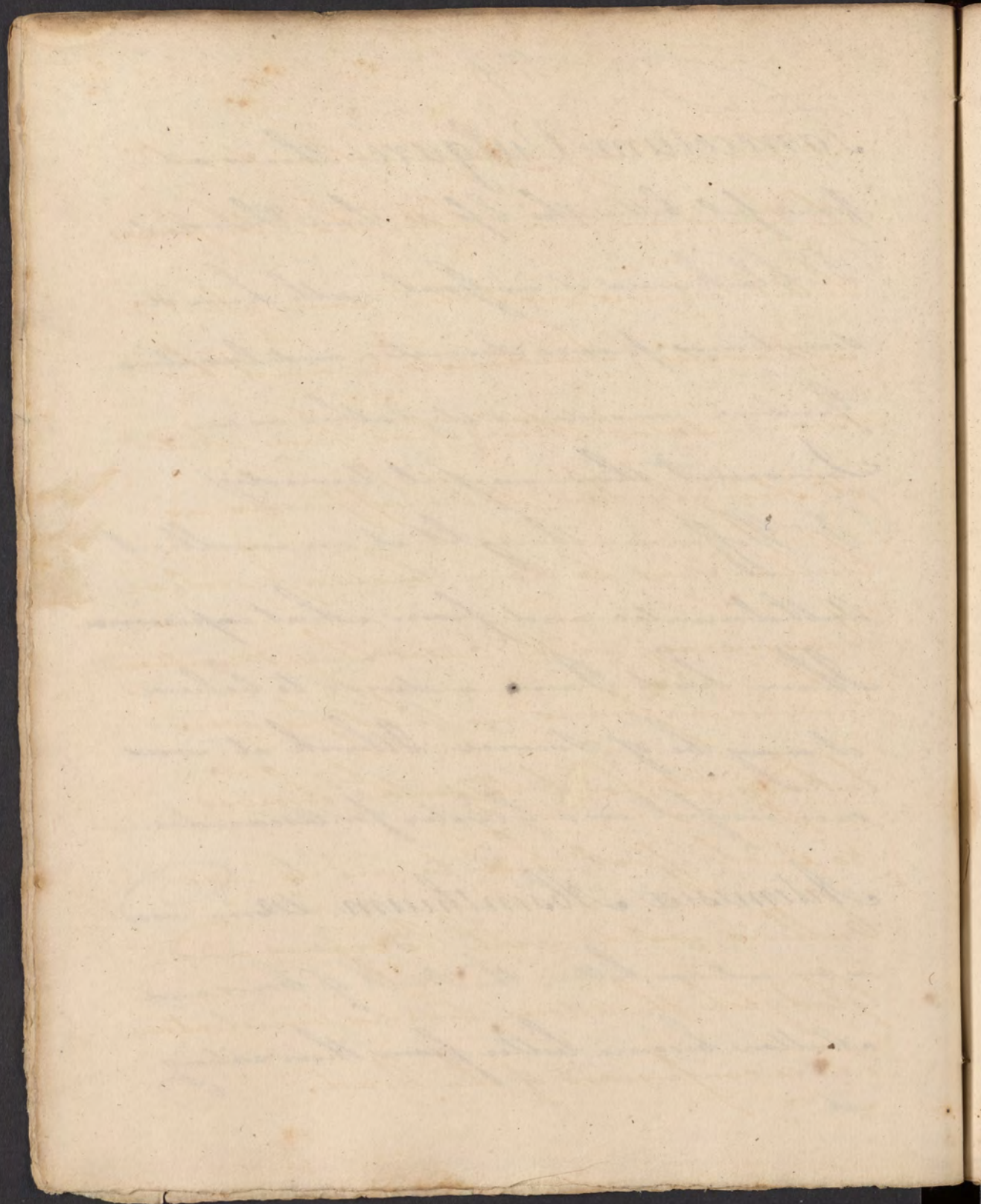


by its Cathartic quality. ^{Dr.} Cullen &
 Pringle used it Dysenteries with
 considerable success. ^{Dr.} Pringle says
 the gripes in Dysenteries were prevent-
 ed by its Spasmodic power. Cullen
 found it rather hurtful in diarrhoea,
 he cured intermittings with it. It has
 somewhat of an Emetic quality.
 a Simple Aqueous infusion is
 frequently used as an assistant to
 other Emetics, the bitter is to most
 people less disagreeable than others
 and is taken a longer time. —

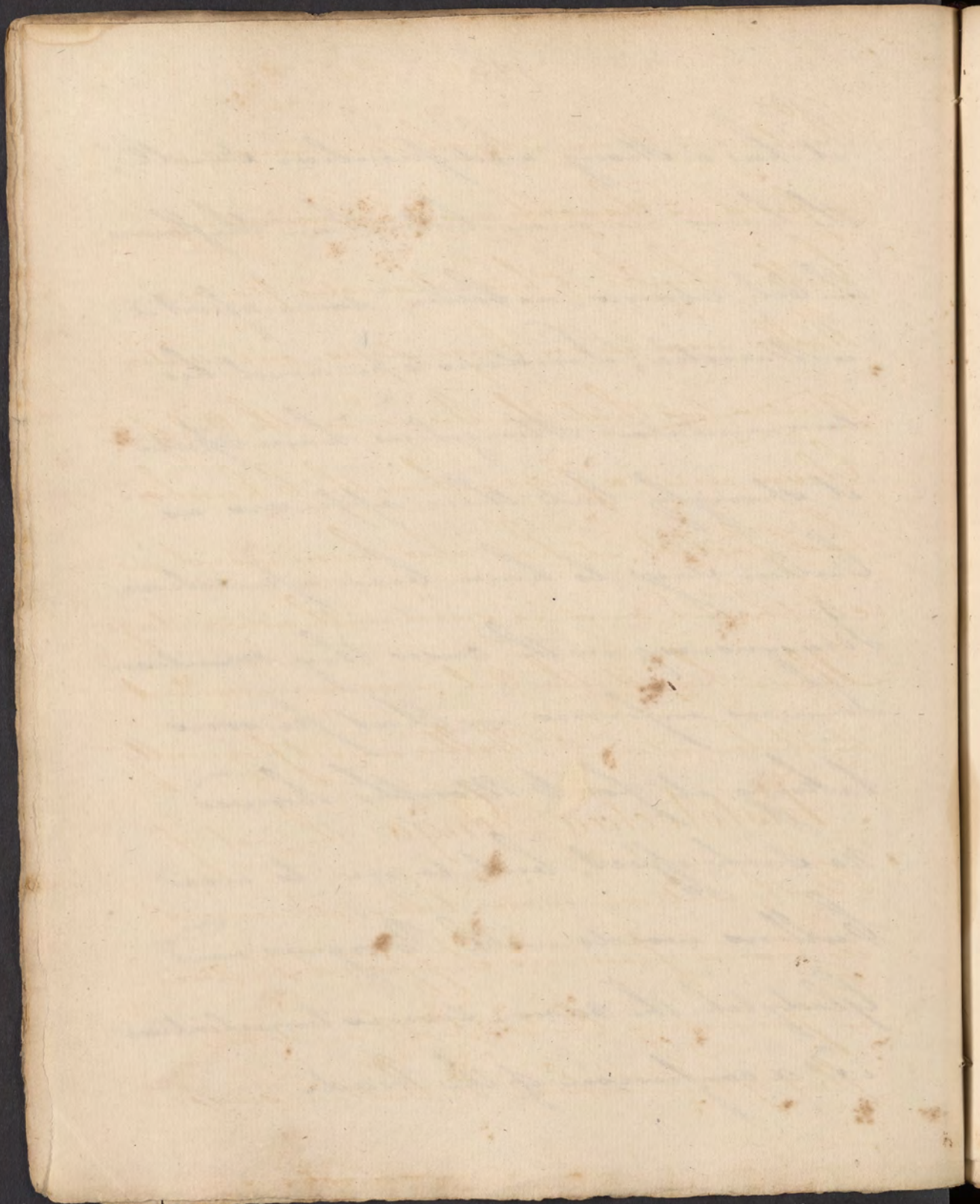


Tanacetum Vulgare this is a powerful bitter tho' less so than Chamomile. W^r Clark used it in Gout, with him it sometimes proved diuretic and laxative. Gardner considered it rather as an Innocent than useful remedy. Dr. Hoffman thought it an excellent Anthelmintic and from what experience I have had I am induced to believe it may be of service. I think it was once useful in a Glyster for Ascarides.

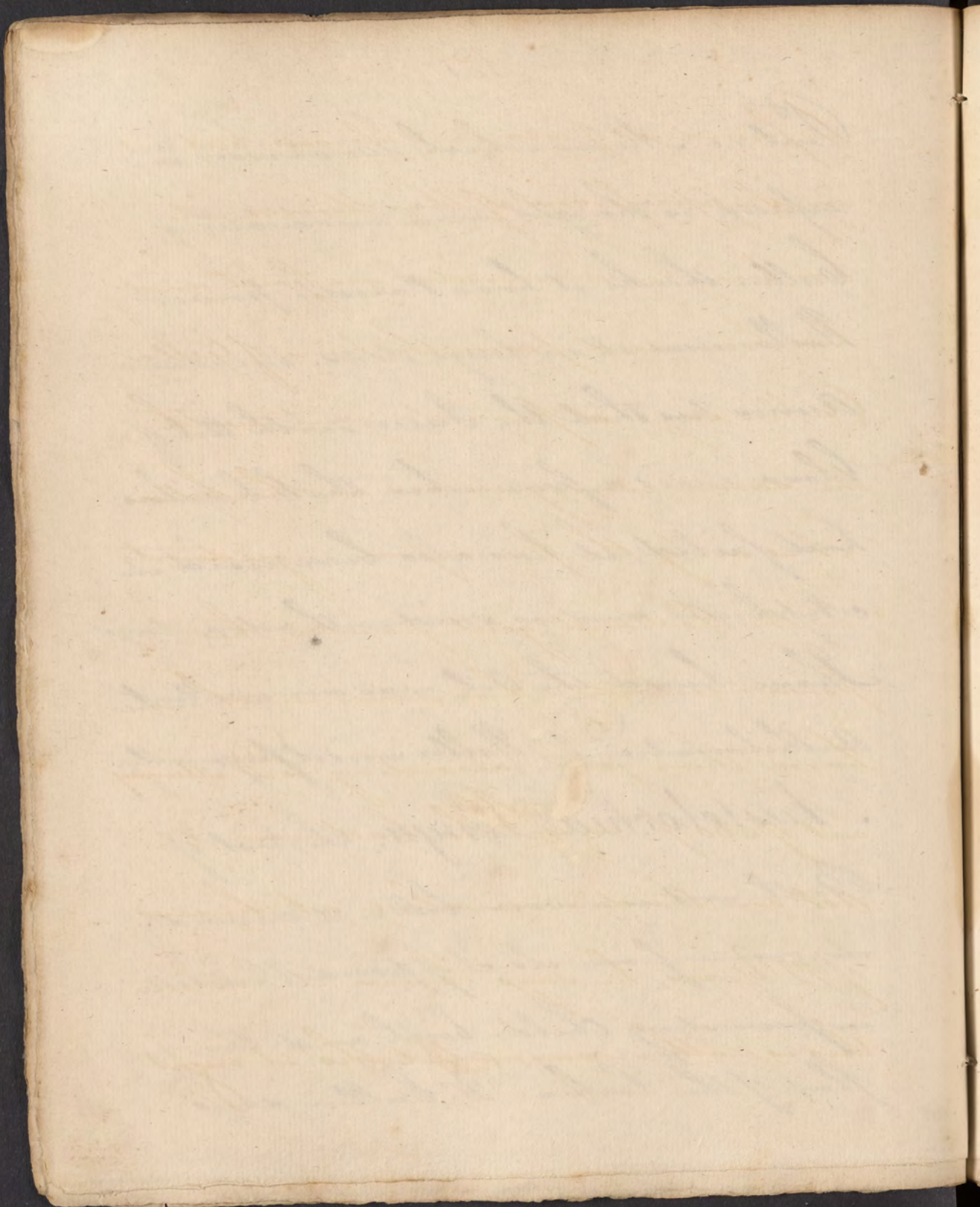
Artemisia Absinthium. Worm-wood is an intense bitter; the Milk of Cows and Mutton become bitter from their eating it.



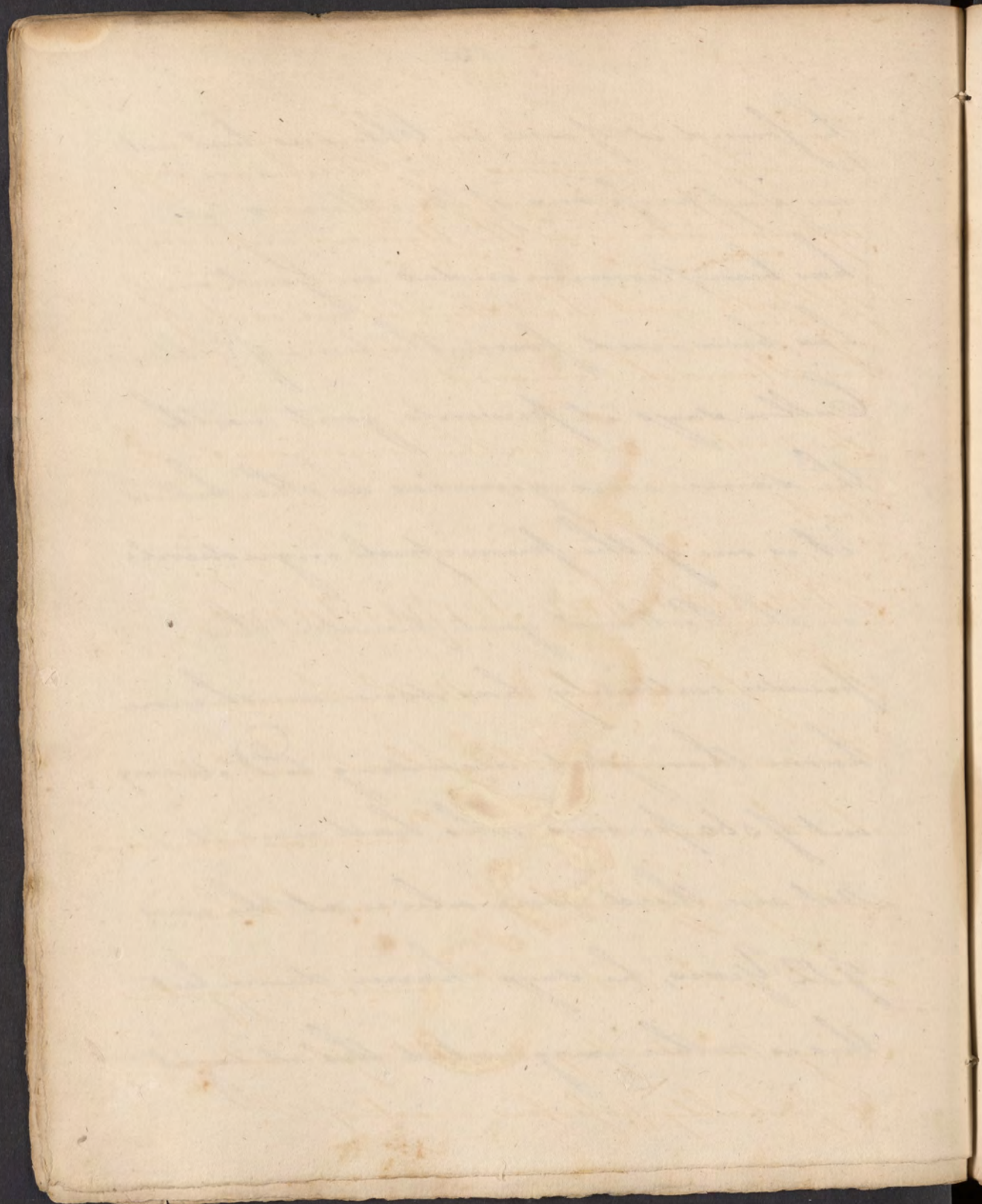
it has a strong and peculiar smell;
 the leaves are more bitter than the flowers;
 the Oil retains no bitter. some assert it
 is Narcotic; Lindenstorp and his
 commentator Stenkelius have asserted
 it strongly but there appears as
 Cullen says to have been a peculiar
 Idiosyncrasy in the cases they mention
 Linnaeus informs us that persons
 taking it for 6 Months observed
 no such effect, but to me to use
 Cullens words with Bergius and
 Gledytch the Odor sursum turbulentans
 i.e. a confusion of the Head.



Purl i.e. Ale in which Wormwood is
 infused is thought more intoxicating.
 Cullen thinks it has a Narcotic power.
 Haller used it in large doses. one writer
 assures us that the Juice with Oil of
 Cloves cured a fever when the C. Cinchona
 had failed, it has also been used in
 Nephritis and is said with advantage.
 I have heard the Oil was an excellent
 Anthelmintic. Dr. Haller used it frequently.
 Aristotochia Longa! the root of
 Birth-wort is a warm bitter, it received
 its name from its supposed Virtue
 in promoting Child-birth and the
 flux of the Lochia. Dr. Cullen says



he found it of use in Chlorous but not
 in suppressions of the Menses. it
 has been recommended in Gout and
 has been used from the time of Gallen.
 Cullen says it prevents gout with
 the same consequences as other bitters.
 it is one of the principal ingredients
 in the Portland gout powder, this
 powder certainly has done much more
 harm than good. according to Dr. Murray
 out of 560 persons who had used it
 Not one third were alive at the end
 of 12 Years, he says have deum lectu
 this is rather exaggerated tho' it ought

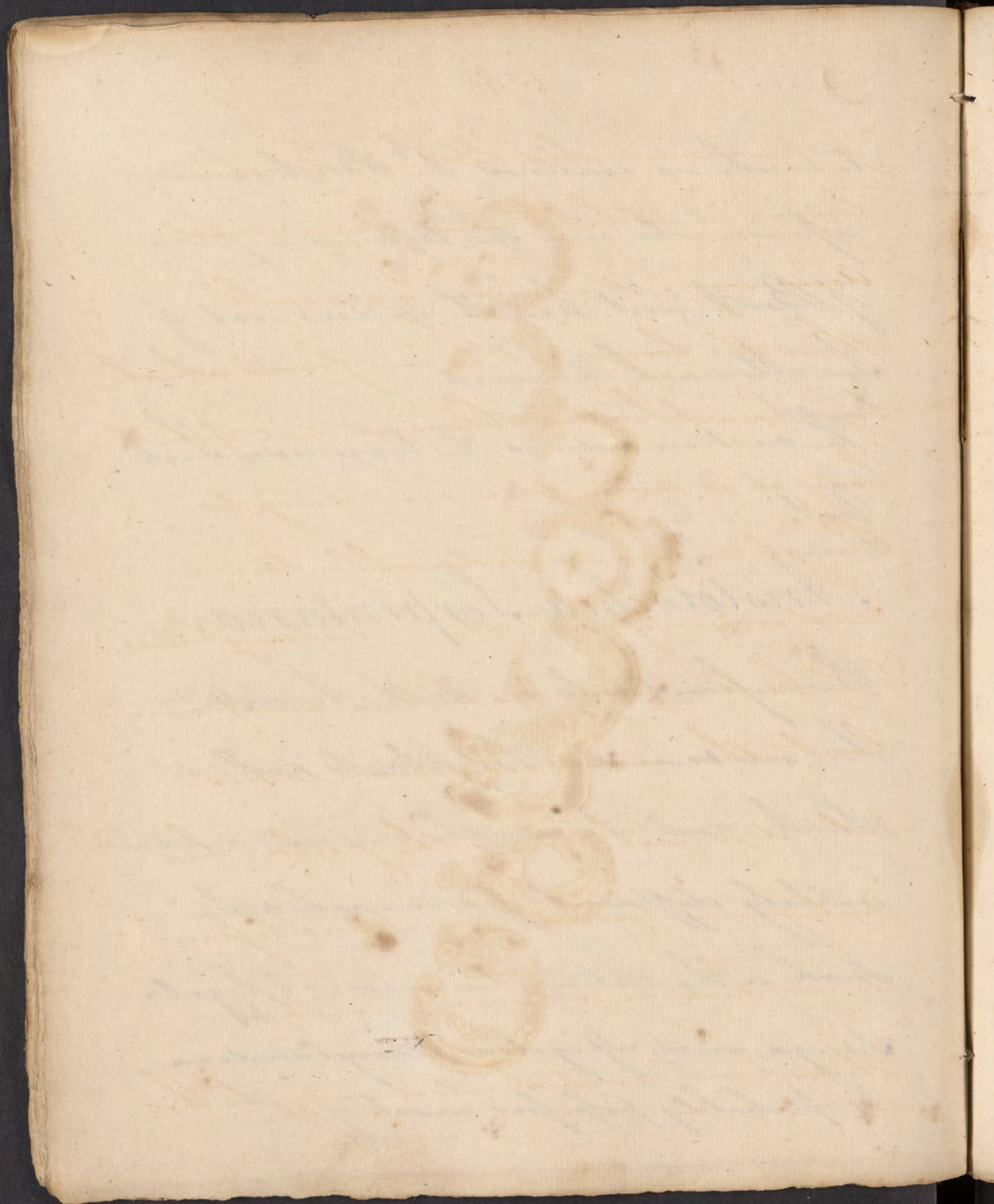


to make us cautious. Dr. Bourhaave says
a person who used the Aqueous infusion
of Birth-wort had the Villous coat of
his Stomach removed.

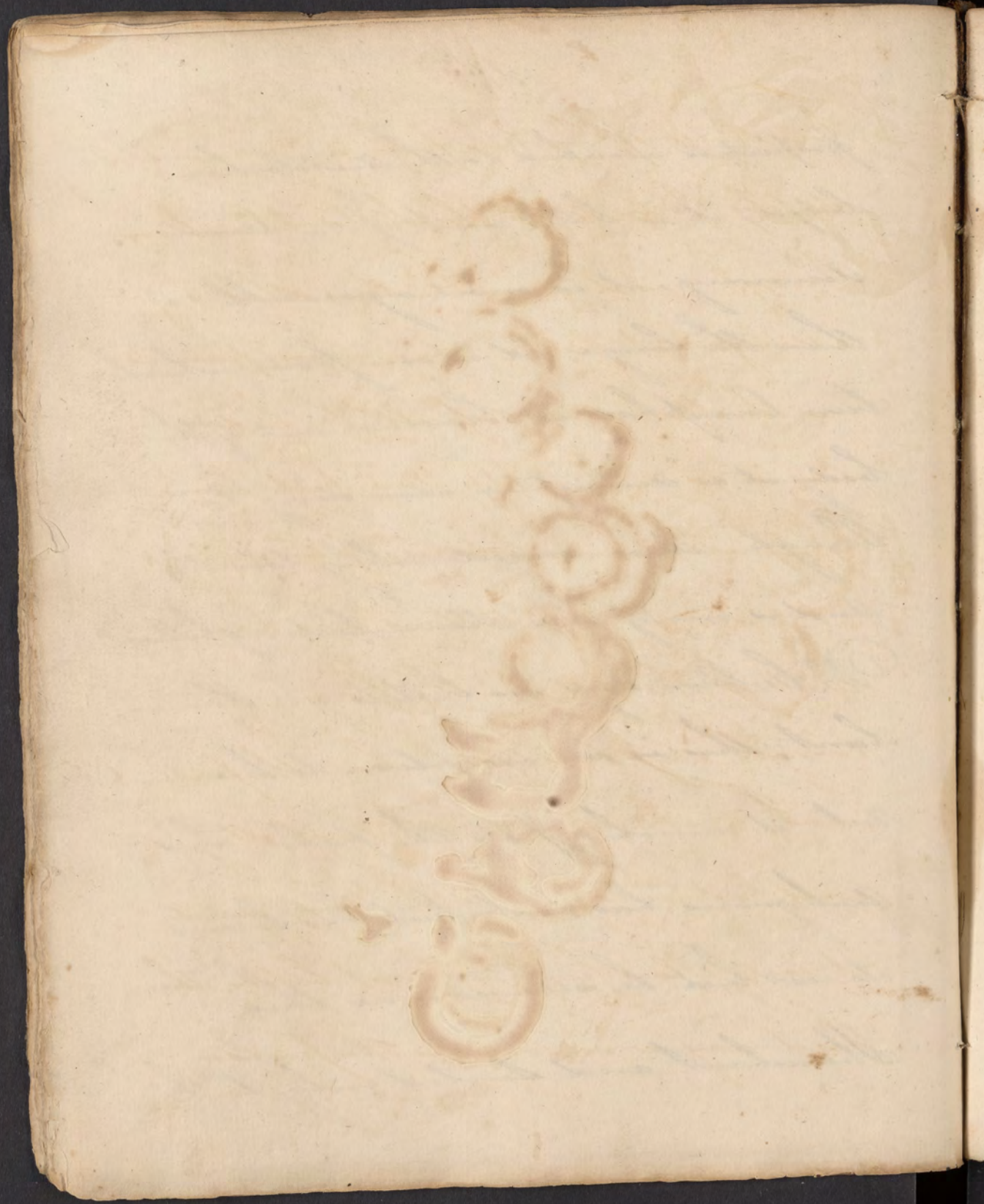
The next in order is the Virginian Snake-
Root.

Aristolochia Serpentaria!

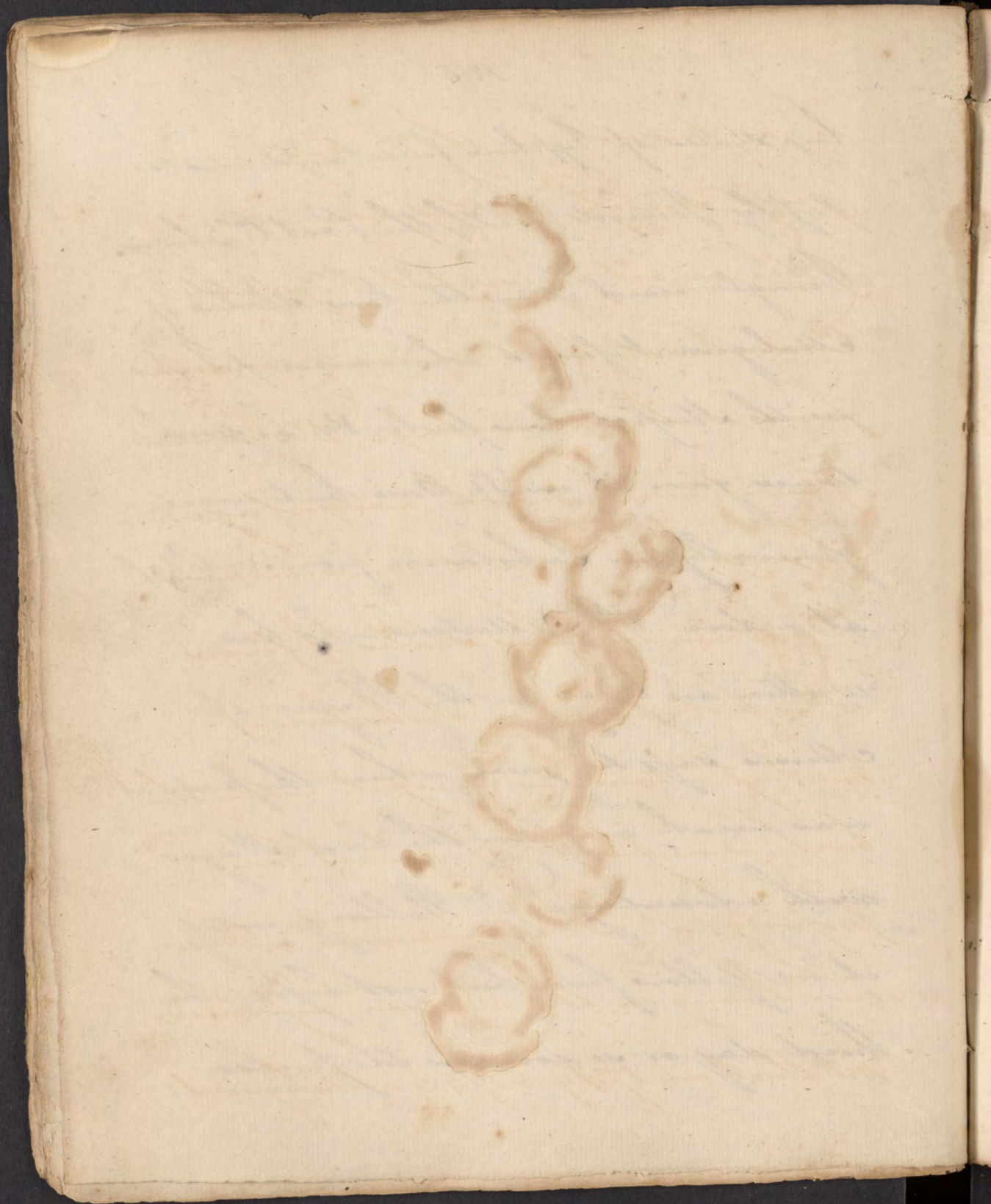
This is found only in North America,
there are several other plants called
Snake-root besides the one now mentioned
entirely different from each other
Such is the *Actea Racemosa*, *Polygala*
Senega and *Spigelia Marylandica*.
It probably possesses most of the



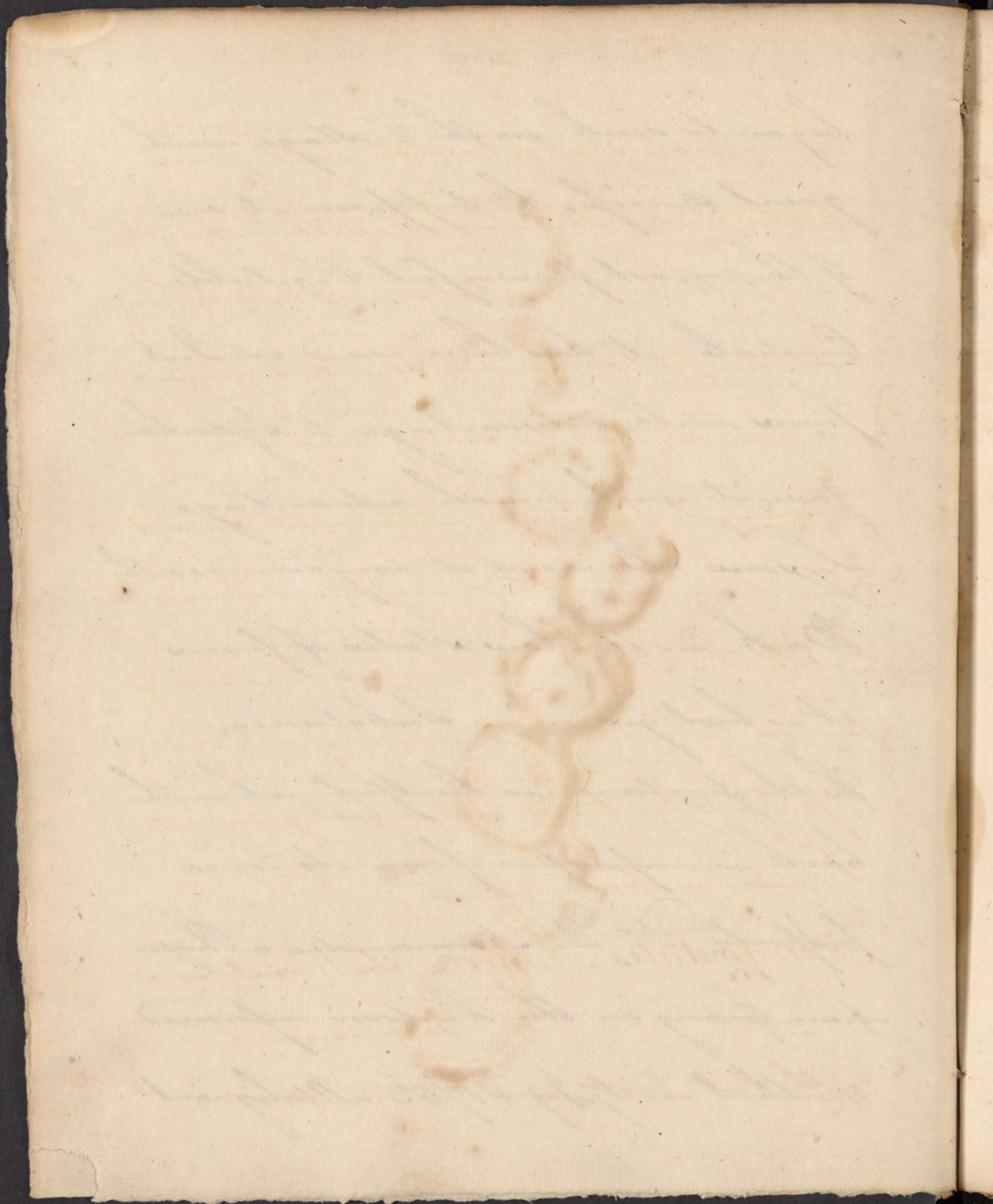
properties ascribed to the *Aristolochia*
longa. it is bitter and of an acid
 Acrimony, it is more agreeable
 than the *longa*. it is one from which
 true Camphor is obtained. out of the
 body it is antiseptic according to
 Pringle. it is considerably tonic
 and is one of our stimulating bitters.
 Dr. Cullen says no bitters are stimu-
 lant; this is an exception to his
 rule, it much affects the pulse, his
 Ambiguities has contributed to lessen
 its use but he allowed was this
 Stimulant and suited only to the



low states of Typhus fever and more
 safely joined with the Cort Cinchon.
 Pringle used it in the low states of
 Malignant fevers when accompanied
 with stupor, low pulse &c. he some-
 times gave it in Sp. Vini but more
 generally in substance from ʒij to ʒss
 at a dose. W^m D. Meritons who has
 written an Essay on the Plague of
 Measles says he gave when the patient
 was weak and in the last stages
 with advantage. Dr. Hillary used
 it in Yellow fever but not before the
 third day or so soon as the pulse

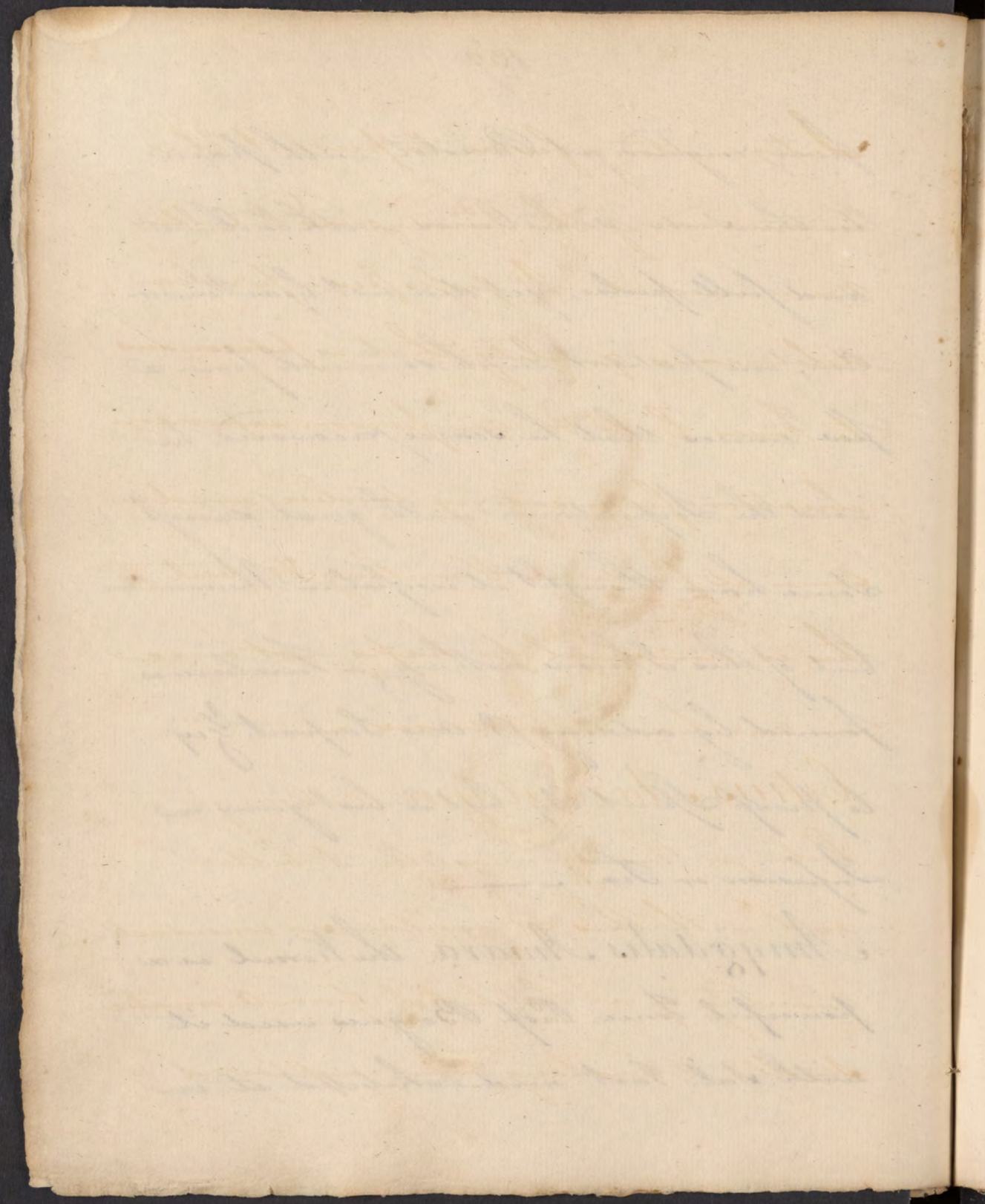


began to sink in the 2.^d Stage with
 great sweats, he supposed it one
 of the most powerful Vegetable
 Cordials, it has been used in Int.
 Fevers with advantage. Dr. Sydenham
 gave it with much advantage.
 Sydenham also used it conjoined with
 Bark, in the low states of fevers
 it is best given in Substance.
 The Scurviana is hurtful when the
 bark is improper from its Tonic
 property. Dr. De Normandie a Physi-
 cian living on the Hudson informed
 me that in 1749 & 1753. a Malignant



fever reigned at Bristol with pain
in the side sometimes with carbuncles
and full pulse, yet did not bear Venisection,
one patient sunk so much from a
few ounces that he scarce recovered. he
used the Serpentaria with great success
Some have thought it useful in Rheumatism
but of this I know nothing. a Tincture is
formed by adding R. Ais. Serpent. ℥ij
to proof Spirit ℔ij. but is best given in
Infusion or Tea. —

Amygdalis Amara the Kernel is a
powerful Tonic. Prof. Bergius used it
with Sal. Tact. and exhibited it in



Intermitting fevers to prevent the
 Recurrence of the Paroxysms. Dr. Cullen
 never used it. It possesses a peculiar
 deleterious quality that is poisonous
 to Foxes. Cats &c. one person experien-
 ced liberation from eating twelve and in
 some it produces Vomiting &c. but
 this is unusual perhaps not once
 in one hundred cases. —

Citrus Aurantium. The Orange.
 Peelings. this is an excellent bitter
 and with this it contains a considerable
 quantity of a Volatile Oil of an Aromatic
 smell. it has long been employed

102
I have been thinking of you
very much lately and wondering
how you are getting on. I hope
you are well and happy. I am
feeling a little better myself but
I am not out of the hospital yet.
I am still in bed and am
not able to do much work.
I am very tired and
need a lot of rest. I am
hoping to be out soon.
I am very sorry to hear
that you are not well.
I hope you will get better
soon. I am thinking of you
very much and hope you
will be well soon.

in the cure of Intermittants and some
 respectable french writers say with
 success: but as Dr. Cullen observes it
 is so rarely employed except with
 other bitters we are prevented from
 discovering its peculiar Virtues. Werlhof
 used it in two Cases of Quartan fever
 with success, in one the Proxysms were
 prevented after the first dose the
 other after the 2.^d he gave \mathcal{Z} i every 3.^d
 hour. Combined with Gentian
 and Chamomile flowers, it forms
 an agreeable bitter Tincture. the flowers

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have been used in Epilepsy &c. but
experience has not conformed their
utility. A decoction of the leaves has
been recommended in Epilepsy with
Chocolate, also in Cholera pictorium.

Dr. Haen found it of no service in
Epilepsy, but it may be of use in some
Convulsions, as Chorea &c. —

Arnica Montana. Leopardsbane
is found principally in the Mountainous
parts of Germany; it is an Acid bitter
plant. it is used much as an Emetic
in Germany. Prof. Bergius says it is Emetic,
diuretic Emetic, diaphoretic & Emmenagogue.
it is used in Germany to resolve coagulated

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Blood, Dr. Collin of Vienna used the flowers
in Paralytic and Spasmodic diseases
from ℥i to ℥ij a day. — he used it in
Intermittings and cured one or two.

Bergius used largely with no advan-
tage. De Haen does not know a Medicine
which merits the title Specific so much
as this; it is preferable to others in the
dysentery of Malignant fevers. he also
used it in Phthisis, coliquative Sweats &c.

℥ss. every two hours. Donald Monroe
gave it without effect in several
cases of Int. fevers, it has been used in
Scorbutic diseases. Authors informs us
when it cures Palsy it always excites

To Chemical tests it discovers much
 astringency, it is used by our Indians
 in Int. fevers Dr. Rush has also used
 it & finds it succeed very well. it is
 used in another complaint of the
 Herpetic kind called in Virginia James
 River Ring-worm, this attacks the
 body and spreads to the Anus according
 to Mr. Jefferson this is much less com-
 mon than formerly, in this complaint
 it has been employed with advantage.
 It sometimes purged and no doubt
 purged. there was a paper read
 before the Philosophical Society on this plant
 by Dr but it has been mislaid

I think he used it in Sphacelus in a poultice.
 Croton Eleutheria. Cascavilla. this
 grows in the West Indies. it is bitter
 and Aromatic, heating the Mouth. it
 has been smoked and was then said
 to induce intoxication. it was used
 and much celebrated as a Substitute
 for the bark but is certainly a feeble
 one tho' it may be used with it
 advantageously, it is one of our Cordial
 Tonics; it possesses no Astringency.
 Wuthoff thought it greatly inferior
 to the bark. Dr Lind says that it is
 Inconsiderable in Int. fevers. it has been

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used in the Plague and Yellow fever of
 Norway. Prosper Alpinus says it has
 proved efficacious after Petechia appeared.
 In the dysentery succeeding this fever
 it was also of use. I have never used it
 but think there is some truth in Prosper
 Alpinus assertion as it is a cordial
 Tonic. Boerhaave says it was useful in
 Hemoptysis. this I doubt. Dr. Cullen knows
 nothing from experience. —

We next come to Consider one of the
 Most important articles of the
 Materia Medica. —

1840
I have the honor to acknowledge the receipt of your letter of the 11th inst. in relation to the above named matter. I have the pleasure to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
Yours obedient servant,
J. W. [Signature]
[Address]

Cinchona or *Cortex Peruvianus*.

of this there are as many as eight different
Species known to the Botanists.

1st *Cinchona Officinalis*. 2^d *Floribunda*,
3^d *Angustifolia*. 4th *Montana* 5th *Spinosa*.

6

7

8. M^r Bartram

in his travels speaks of a Tree by him
called *Mussendi* which is a Species of
Cinchona. the *Officinalis* is the pale
bark. it grows in Peru in South America.
it is a lofty and thick tree eight or
nine inches in diameter, tho' it seldom
grows so large; its Value makes them

Out before it arrives to that size. the
 quill bark is taken from the branches
 of those small trees. the red bark is
 more apt to purge than the pale.
 more common it is as thick as a
 Mans Arm and about fifteen feet
 high. it was first used in 1636 when
 it cured the Countess of Lincoln in Lima
 of an Intermitting fever. the name of
 Cinchona was given it by Plumea,
 it is a corruption of the word Sincona.
 Louis the 14th while Dauphin of
 France was also cured by it.

My dear friend
I have just received
your letter of the 10th
and am very glad to hear
from you. I am well and
hope this finds you the same.
I have been thinking much
of late of the state of
the world and of the
future of our country.
I feel that we are in a
very critical position and
that the future of our
country depends upon the
conduct of the present
administration. I hope
that you will be able to
do something to help
our country in this
critical moment.

It is a much disputed question whether the red and pale are the bark of the same Species or of two distinct, it is more probably the produce I think of two. what I shall say concerning it will relate to all or either the red pale or Yellow. The Virtues of the bark have been known for a long time. I have before said that the Union of bitter and Astringent formed a Tonic and as they are here conjoin'd in the Cinchona so it is a powerful Tonic. in some there is an Aromatic Quality, but is inconsiderable and

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of little importance, I shall therefore say nothing further concerning it.

As I said it was composed of bitter and astringency so I think it operates by those properties. but we cannot be certain of this, there is some secret

in its Operation with which we are not acquainted. We are now to consider its effects when exhibited in disease.

Dyspepsia. in this disease it is found to be an useless Medicine. I cannot think with Dr Cullen that *Dyspepsia* is always owing to a loss of tone in the fibres of the Stomach. I have before

Said I suspected it to depend on a
 Morbid secretion of the Gastric Juice
 Yet I believe it may sometimes
 depend on a loss of tone. it frequently
 produces its best effects altho' it be
 rejected from the Stomach many
 hours afterwards which proves that
 its good effects or at least its principle
 action is on the Stomach and from
 thence communicated to different
 parts of the body, we cannot account
 for its sudden operation in the cure
 of Int. fevers otherwise. I think that
 that neither bitters or Astringents separately

are adapted to the cure of Intermittent
 fevers. it is probable it cures fevers
 by producing a new and different
 action. it is certainly a Medicine,
 best adapted to the cure of these fevers.
 I proceed to speak more particularly
 of its use in fevers; here a question
 Naturally arises at what time or
 period of the disease will it be most
 proper to administer the bark?

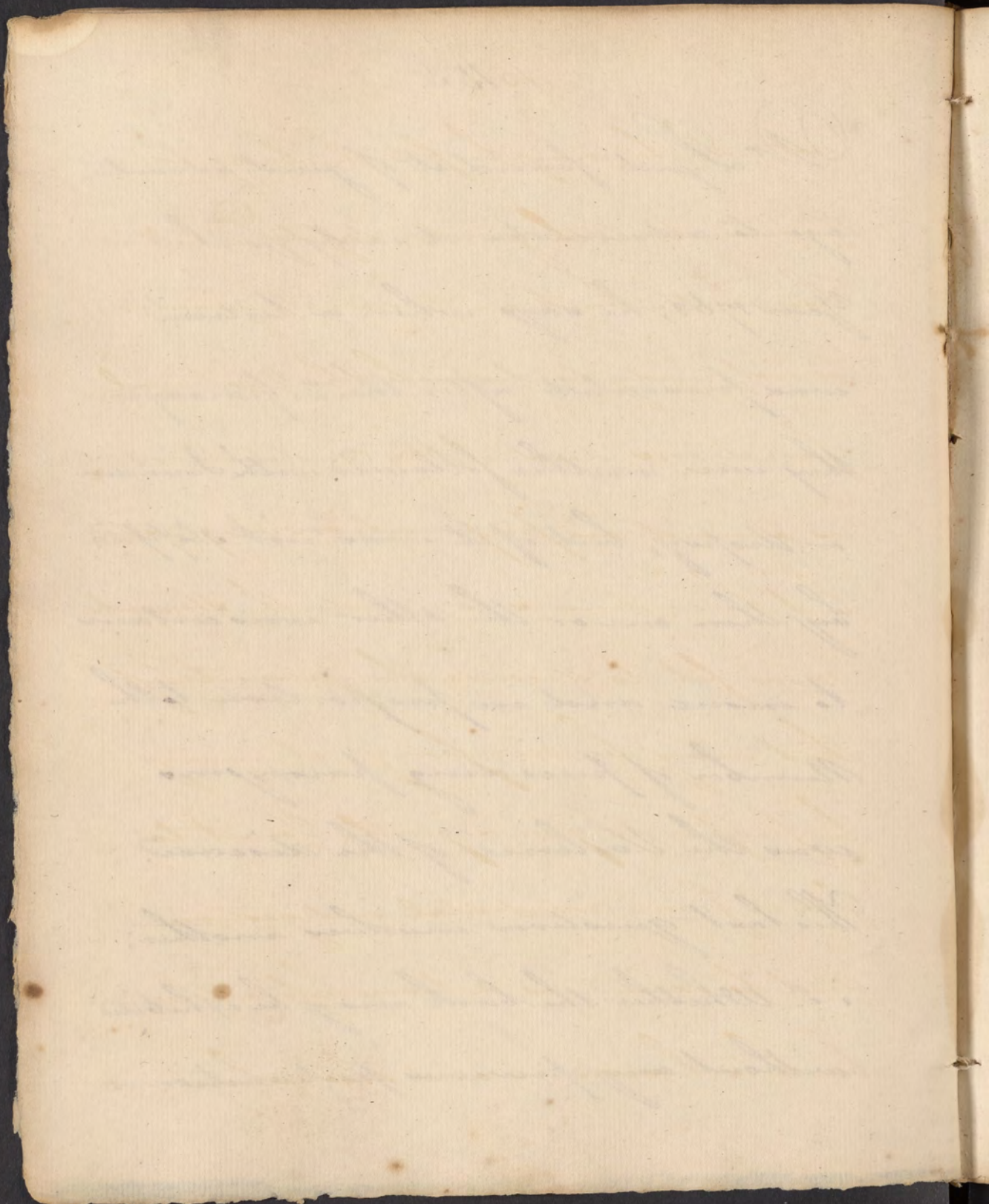
Dr. Boerhaave's Maxim was
 "Cum Morbus jam aliquo tempore
 duravit" not to administer it

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until the disease had continued
 a length of time, but this will
 not be proper, it ought in many
 cases to be administered immediately
 I have known some cases where the 2^d.
 Paroxysm terminated the life of the
 Patient; I think it may be given
 without waiting for the 2^d. Paroxysm.
 Dr^r Sydenham's notion that the
 Morbid matter must be evacuated
 is neither proved or rendered probable.
 I reject the notion Stahl's. &c.
 In tertians it ought always to be
 given after the first paroxysm

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Dr. Synd found it of great advantage to administer it early in the Year 1768; he says when a tertian was prevented after the 2^d. paroxysm they were neither followed with Jaundice or Dropsy, but if it was not stopp'd by then one or the other was certain to ensue and in proportion to the Number of preceding paroxysms was the Violence of the disease. This last question involves another; i.e. Whether the bark may be exhibited without any previous preparation or

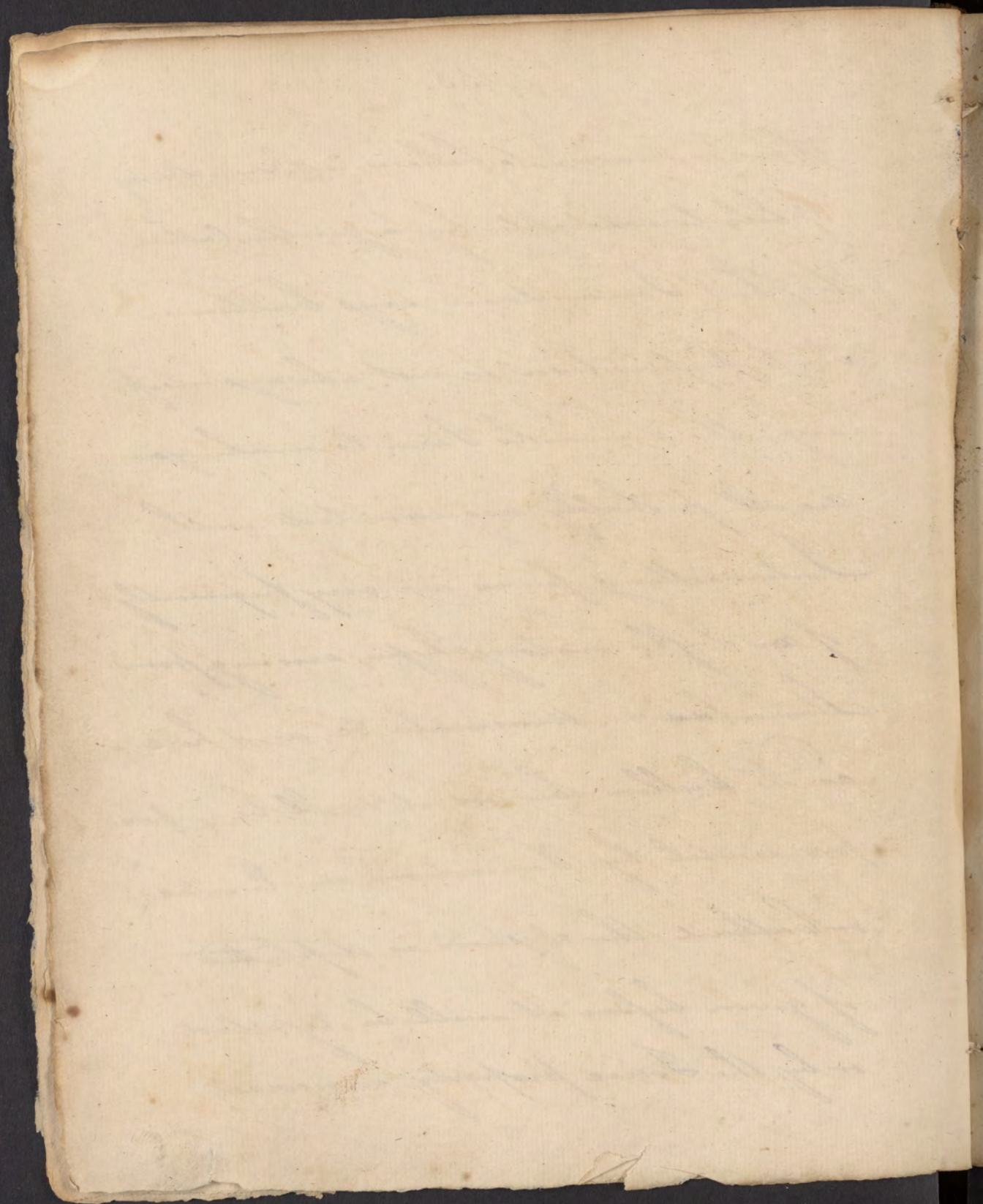


not which may be fit the body to
 receive it with greater safety. Dr. Cullen
 observes the bark in moderate quantities
 is not ready to disturb the natural
 functions and if the constitution
 is sound no preparation is requisite,
 but he continues to render the stomach
 more fit to receive the quantity
 that may be necessary, it may
 be proper to give a gentle vomit to
 free it from accidental indigestion
 and to excite its action before the
 bark is thrown in and also when

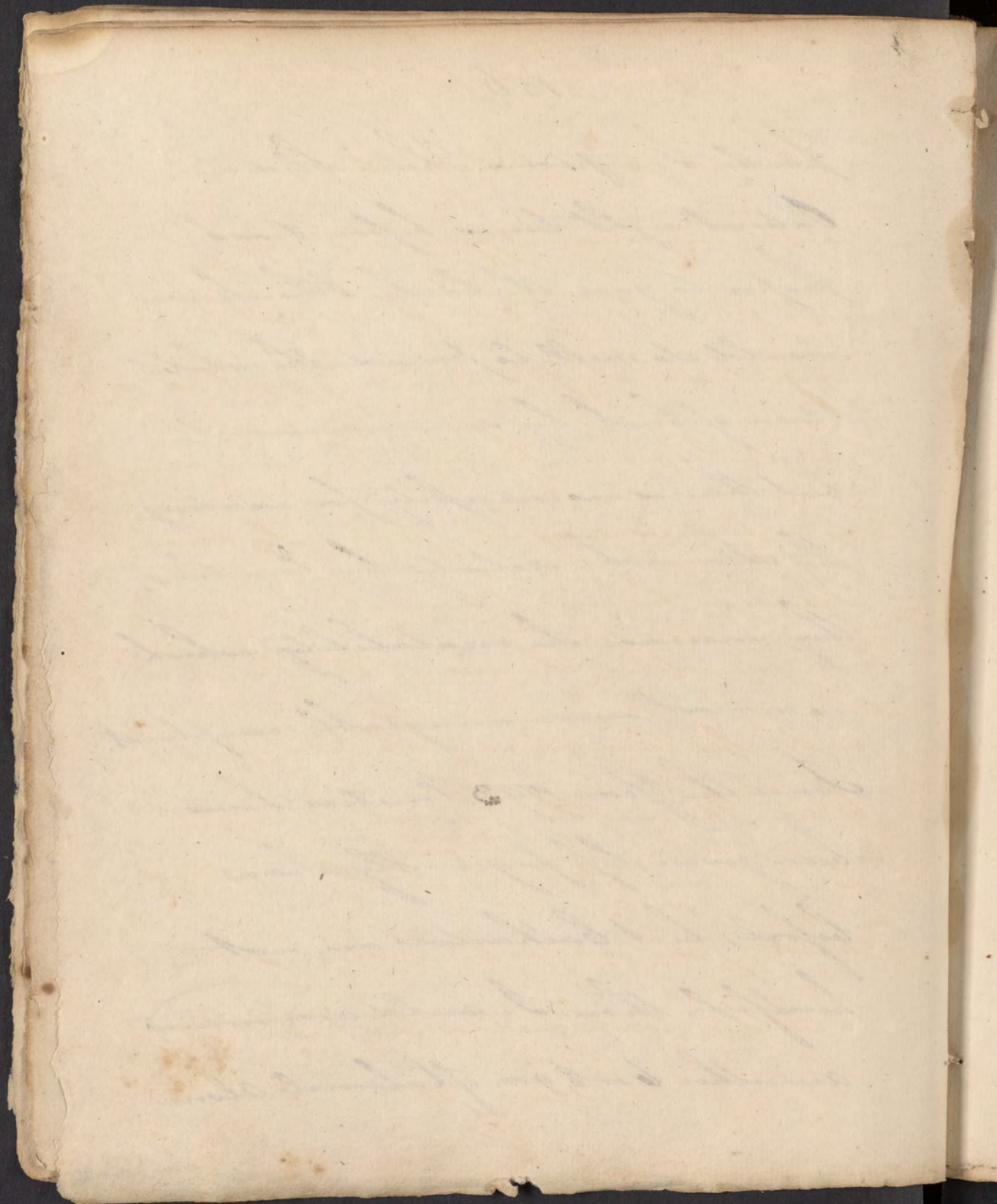
there is reason to believe a redundancy
of bile to evacuate by a gentle Cathar-
tic. but I maintain says Cullen

Such preparation is not always neces-
sary; the remarks I am to make you
are all probably acquainted with.

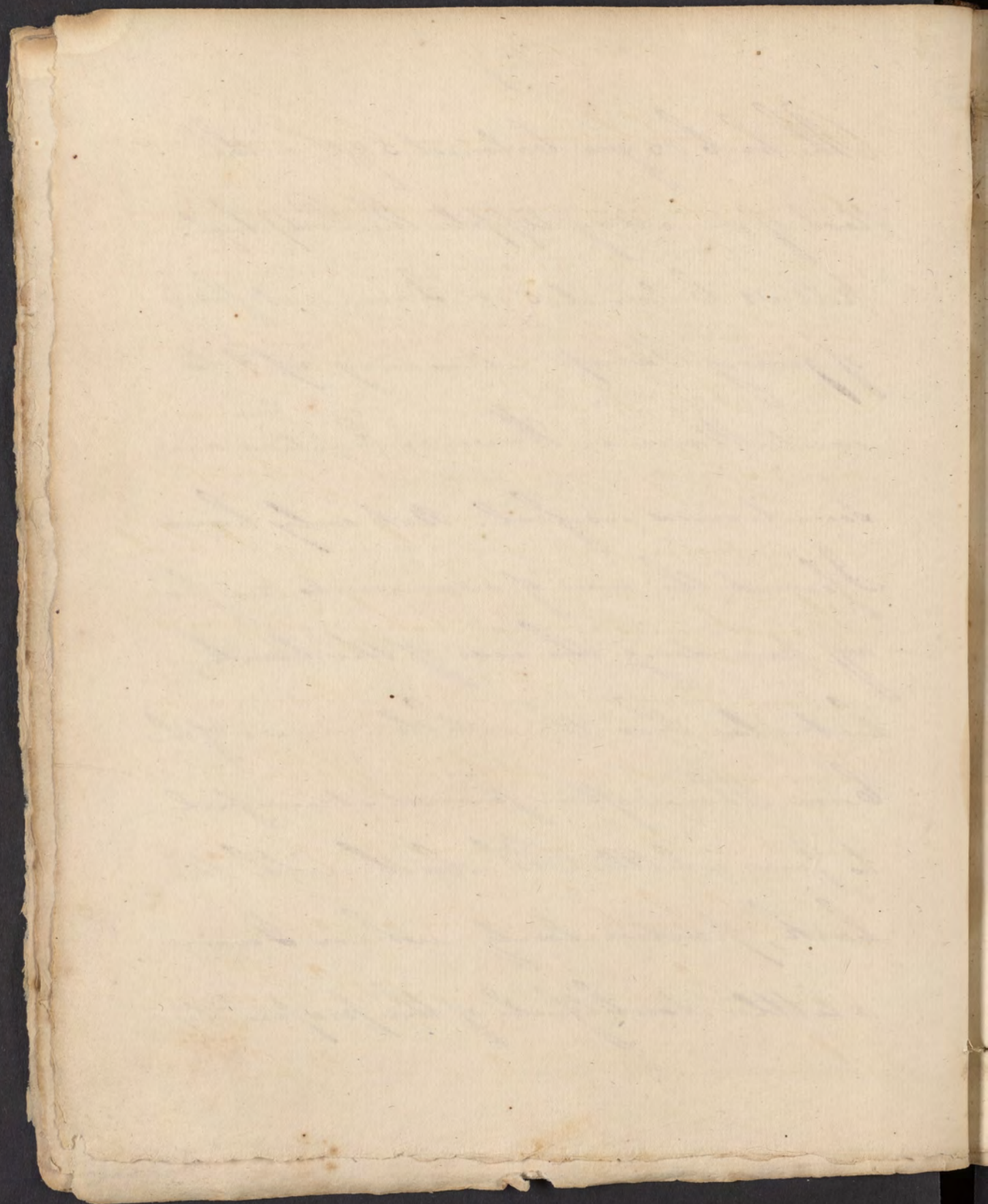
Intermitting fevers are very frequently
of an Inflammatory Type, arising from
Stimulus Miasmata &c. and here
as Dr. Cullen observes it will be impro-
per until by Venesection, an Emetic
or Cathartic the system is depleted
if given before it will be rejected
or by the Tonic property increase



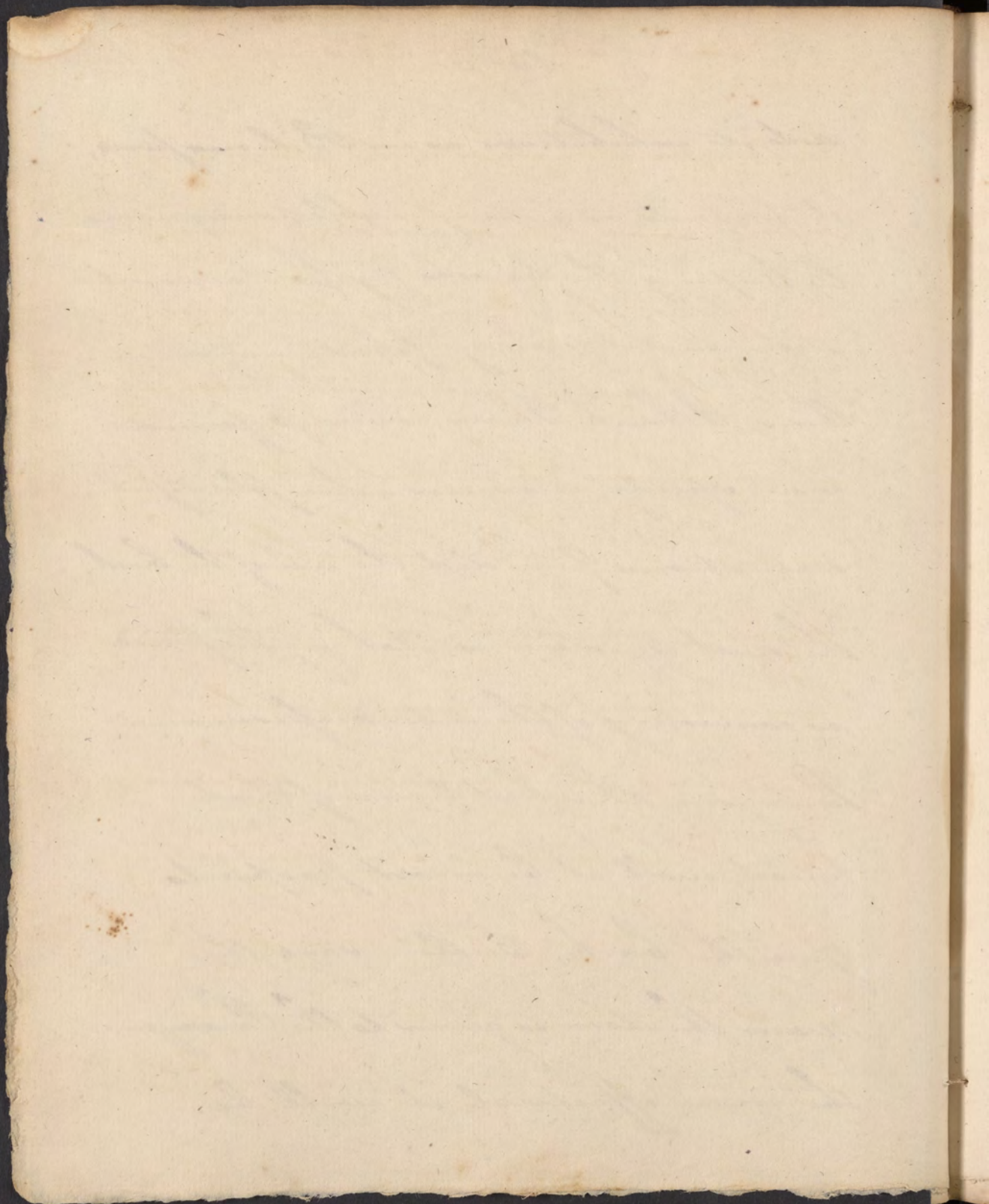
Febrile Symptoms. I have bled a
 Patient eight times before it was
 proper to give the bark, I think we
 would do well to precede the exhib-
 -ition of bark by some evacuant,
 but there is no necessity for exciting
 the Stomachs activity by Emetics,
 they increase the intractability which
 is a most unmanageable complaint.
 Since the Year 1793. Emetics have
 been given less frequently than
 before, but Cathartics are not
 hurtful, those I would recommend
 are either 6 or 8 grs. of Calomel alone



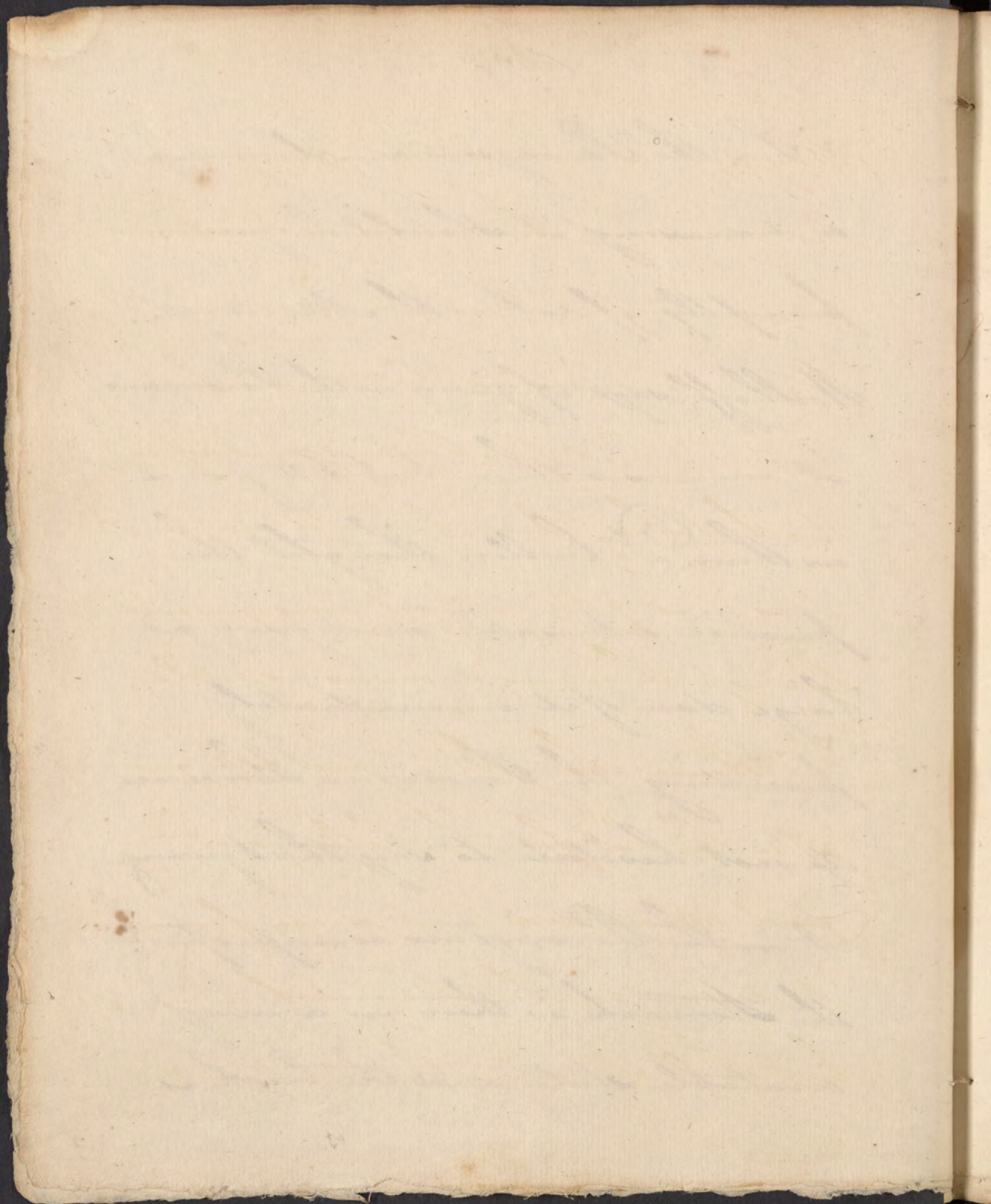
Rhubarb 25 grs. Calomel 5 grs, or the
 Root of our May Apple the Podophyl.
 pell 51 Calomel 5 grs. I am not fond
 of giving Jalap, it is very apt to
 excite Nausea. However Emetics are
 sometimes useful. Not only have
 I found the use of emetics neces-
 -sary preceding the use of the bark,
 but also thro' the whole course of the
 Cure. I have often found it useful
 to join a little Rhubarb with the
 bark, particularly when I am
 a little doubtful of the propriety



as to its exhibition as in Bilious fevers,
 it presents any disagreeable consequences
 by keeping the bowels free from accumu-
 -ation and lessening febrile action in
 them, I think I have always found
 more speedy recoveries when plentiful
 evacuations preceded the use of the bark.
 The next question is; taking the period
 as consisting of the intermission and
 Paroxysm at what time of that
 period will it be most proper to
 give the bark, Cullen says the
 nearer the dose is given to the Paroxysm
 the more effectual it will be.

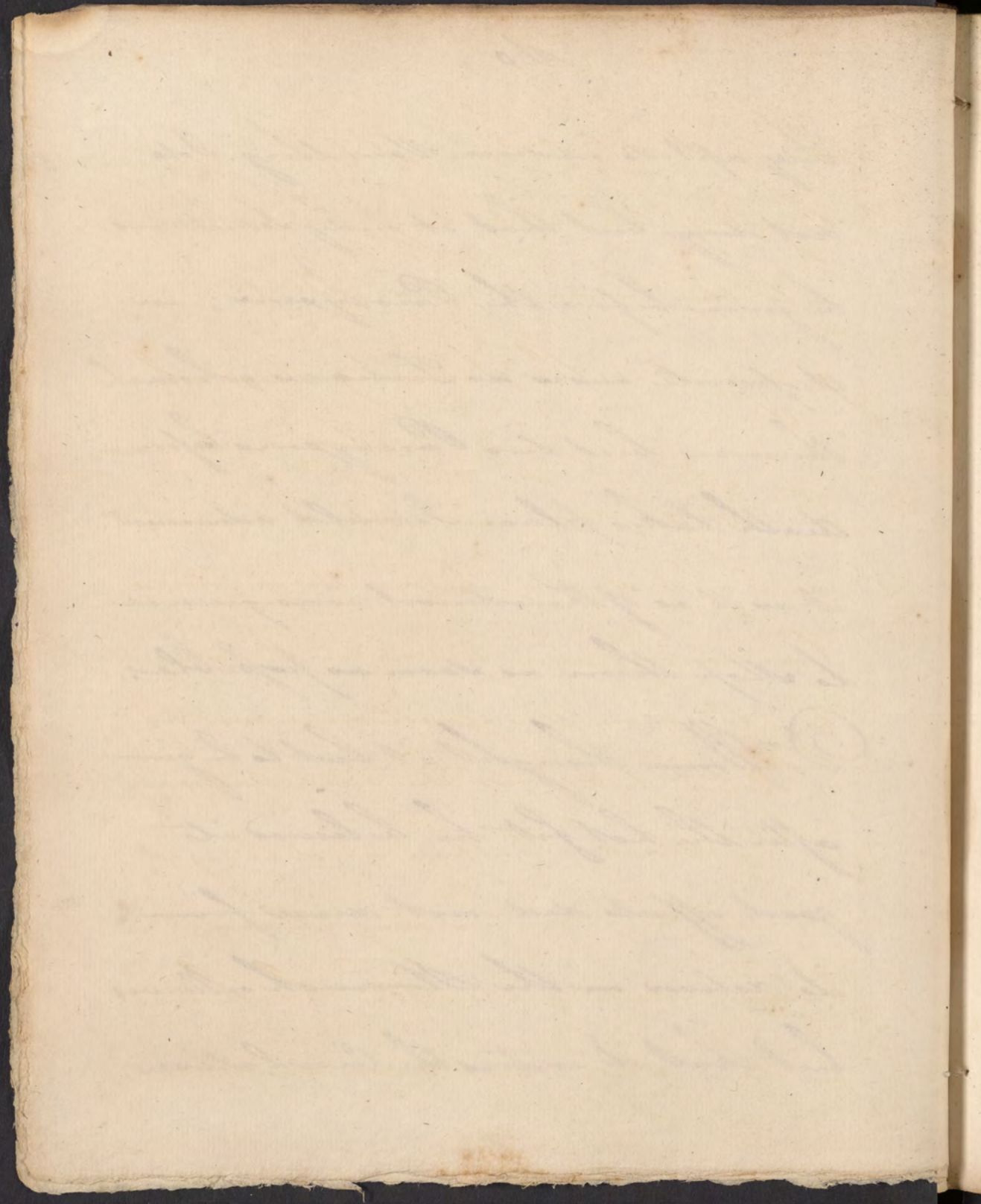


When the Paroxysms are alarming
 or increasing it should be given
 promptly, if not with Mercury.
 Meulhoff says if given in the Paroxysms
 it increases them but Fott gave it
 in them. Dr Cullen thought the
 practice advisable and gave a
 large dose of it immediately
 preceding the Paroxysm. However
 do not hesitate to say that giving
 it in the Paroxysms is improper.
 the Stomach is then in a very
 irritable state and the bark is

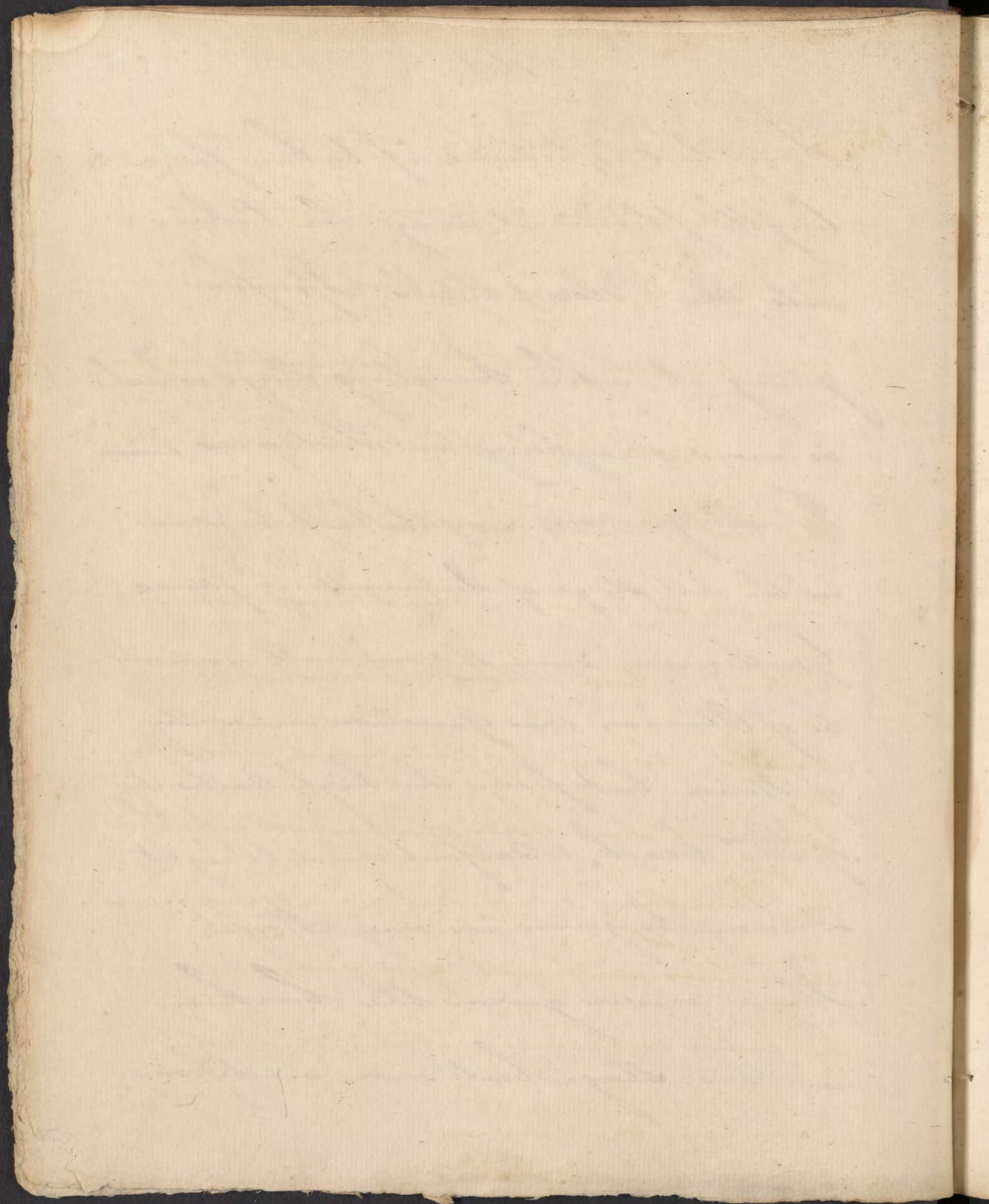


very apt to induce Vomiting. I do not deny but that it may sometimes be given before the Paroxysm; in desperate cases as Tertians where there are but two Paroxysms before death takes place I would administer it as it is of the utmost consequence to stop them as soon as possible.

Dr Home thought it best to be given after the hot fit he believed its good effects did not arise from its action on the Stomach or Nerves but that it enters the Circulation.



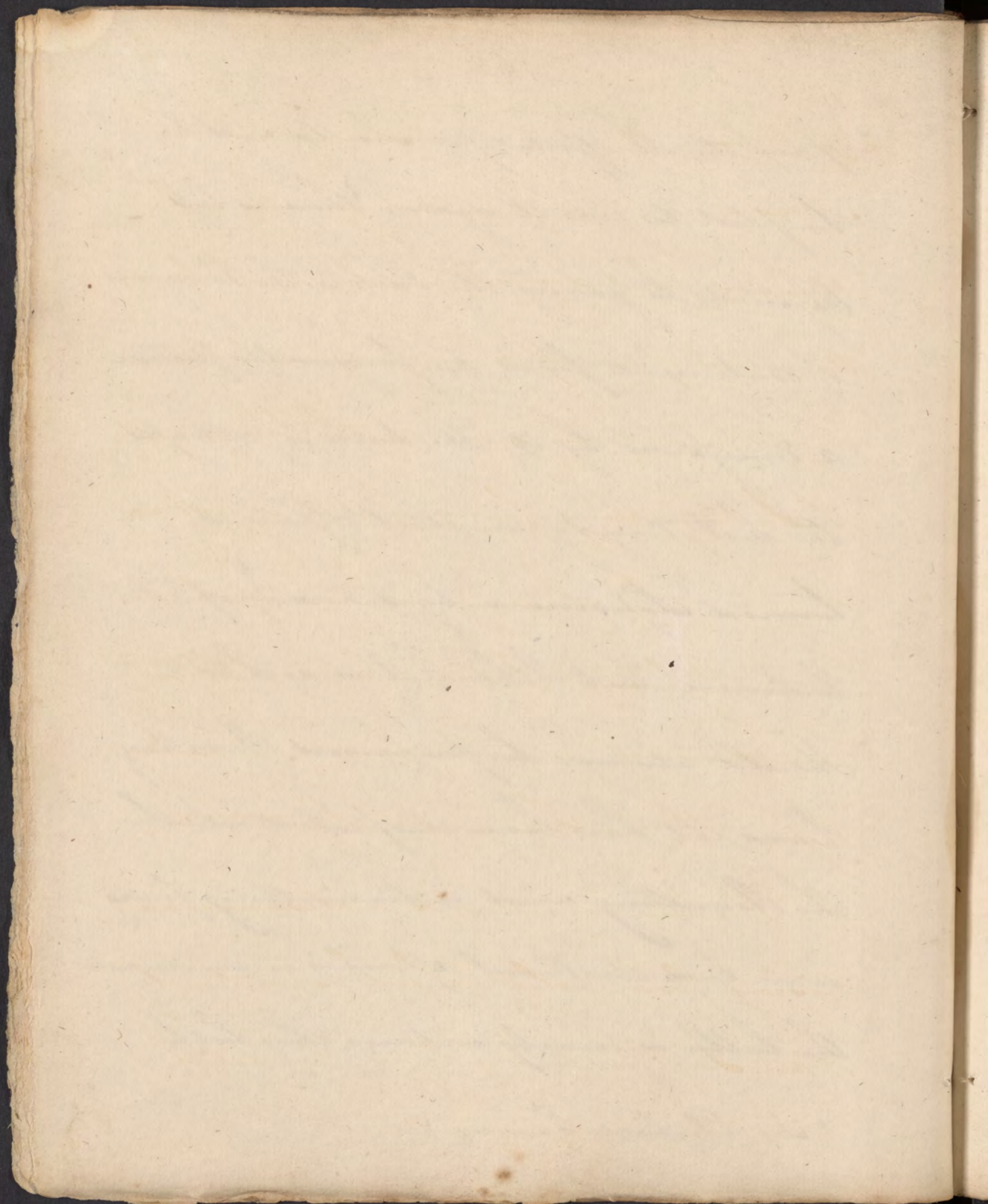
I am led to believe if taken for a
 length of time it may be taken
 into the Blood vessels. I prefer
 giving it in the Sweating stage which
 is more necessary in Febriles. —
 The next question, may the bark be given
 in the hot stage of Intermitting fevers.
 Gentlemen, some of you will no doubt
 be of Opinion this Question unworthy
 of Notice but from the high Authority
 of Drs Clark, Balfour and Wright
 it may be given in any Stage.
 I have never given the bark in
 in this stage but once and from



from the ill effects of it should not be
 tempted to give it again. There is less
 objection to giving the bark in the Paroxysms
 of continued fever, we frequently procure
 a remission by it, the bark is perhaps
 the best remedy in that species
 termed Loporore or by others ^{*}Aproplectic
 tertians, but I think Venesection &c.

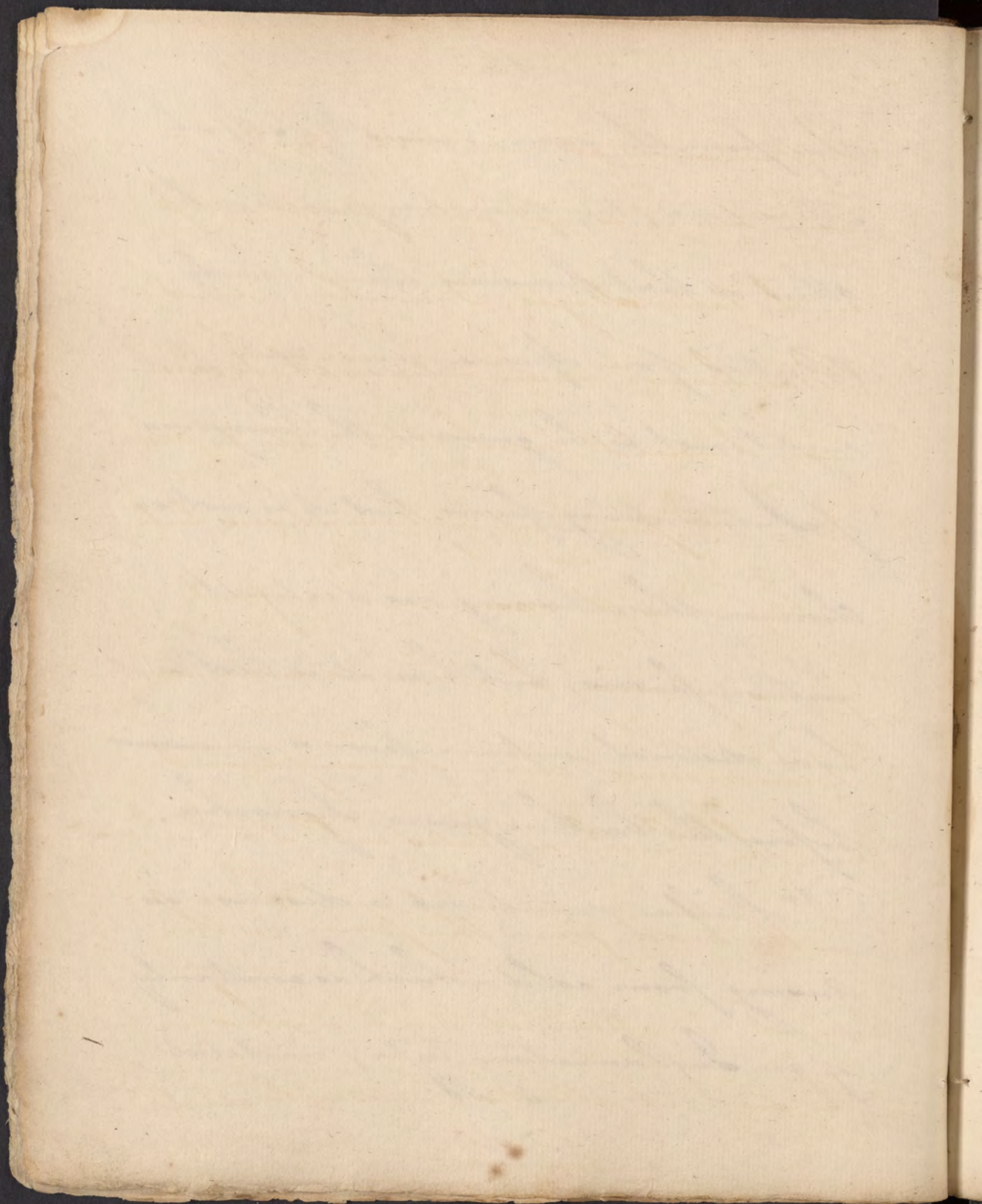
Should always be primised. Remitting
 fevers, it has been disputed whether
 the Remitting and intermitting fevers
 were two distinct species or one disease;
 the latter is nearly certain, they both

* See Cleyhorn Saurage &c.

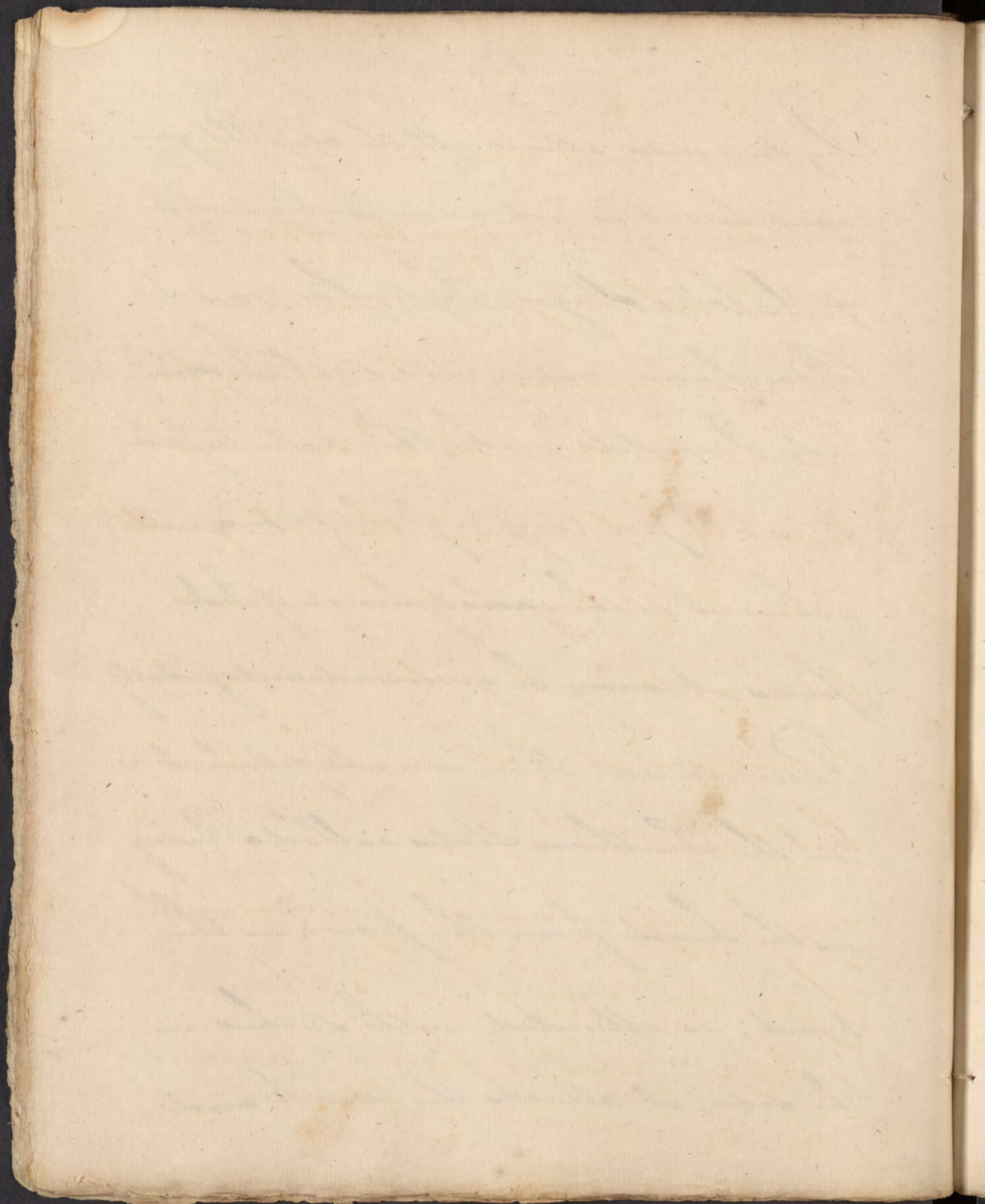


arise from the same causes viz. Marsh
 Miasmata; they often change into each
 other, so that I consider them merely
 Varieties of one Species. I have said it
 ought not to be given in the Paroxysms
 of Intermittent fevers, but it is not so
 clear in those having no distinct
 intermissions; but here it is best to
 have distinct intermissions. —

before the bark is given. Syrocha.
 Dr. Cullen mentions a disease as
 arising from cold which is constantly
 of an Inflammatory type; indeed

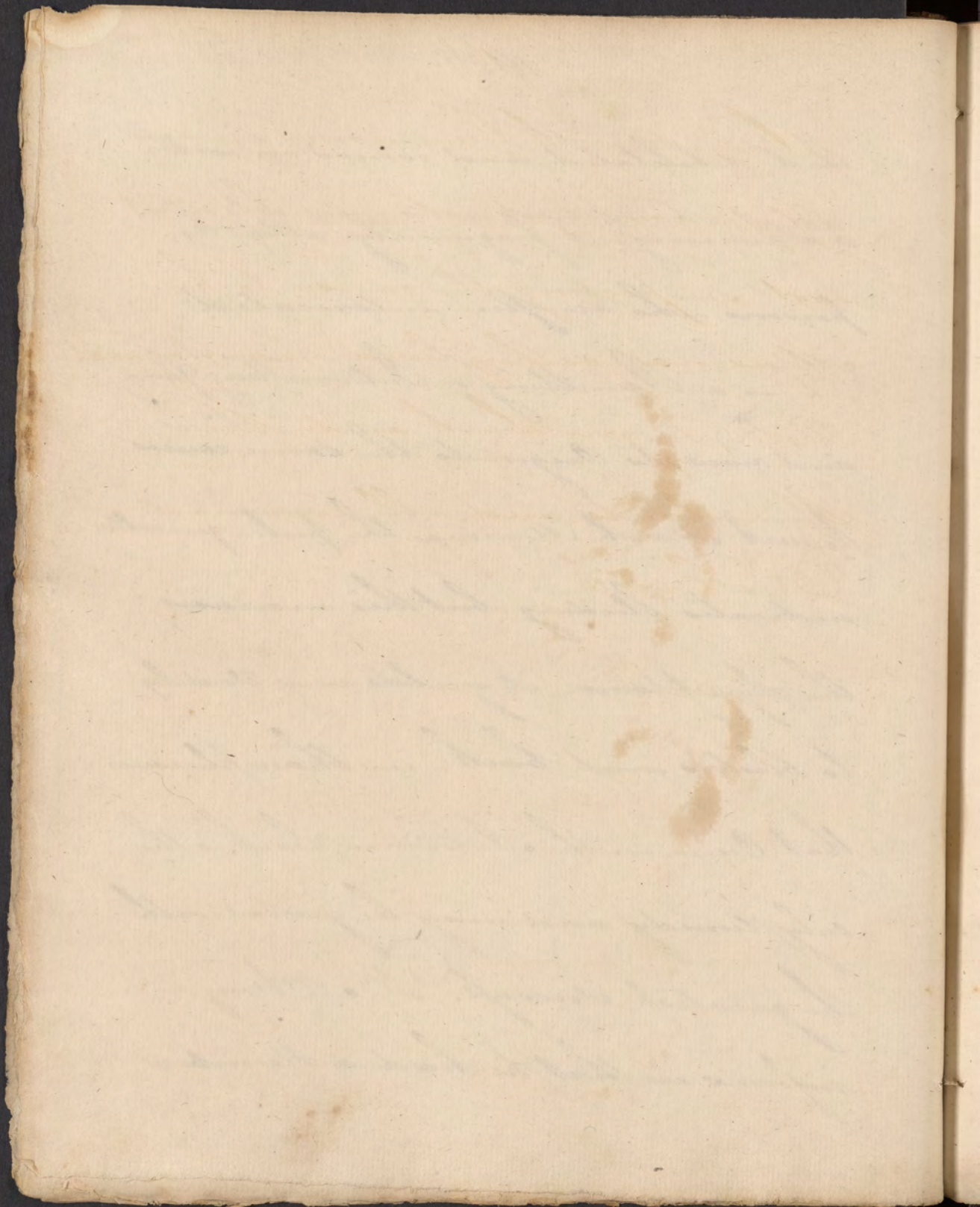


Inflammation attends all the class Phlegmon-
-asia here it is not admissable unless
in the latter stages, Sydenham and
Boerhaave never advise it. To concl-
-ude I would make this rule to forbid
it in all primary inflammations, but
when it is the consequence of Int.
fevers it may be given advantageously.
Pneumonia. there is a complaint
in the Southern States called a Runny
in the head from the pain in the
head; is attended with stitches in
the side; it attacks the weak and

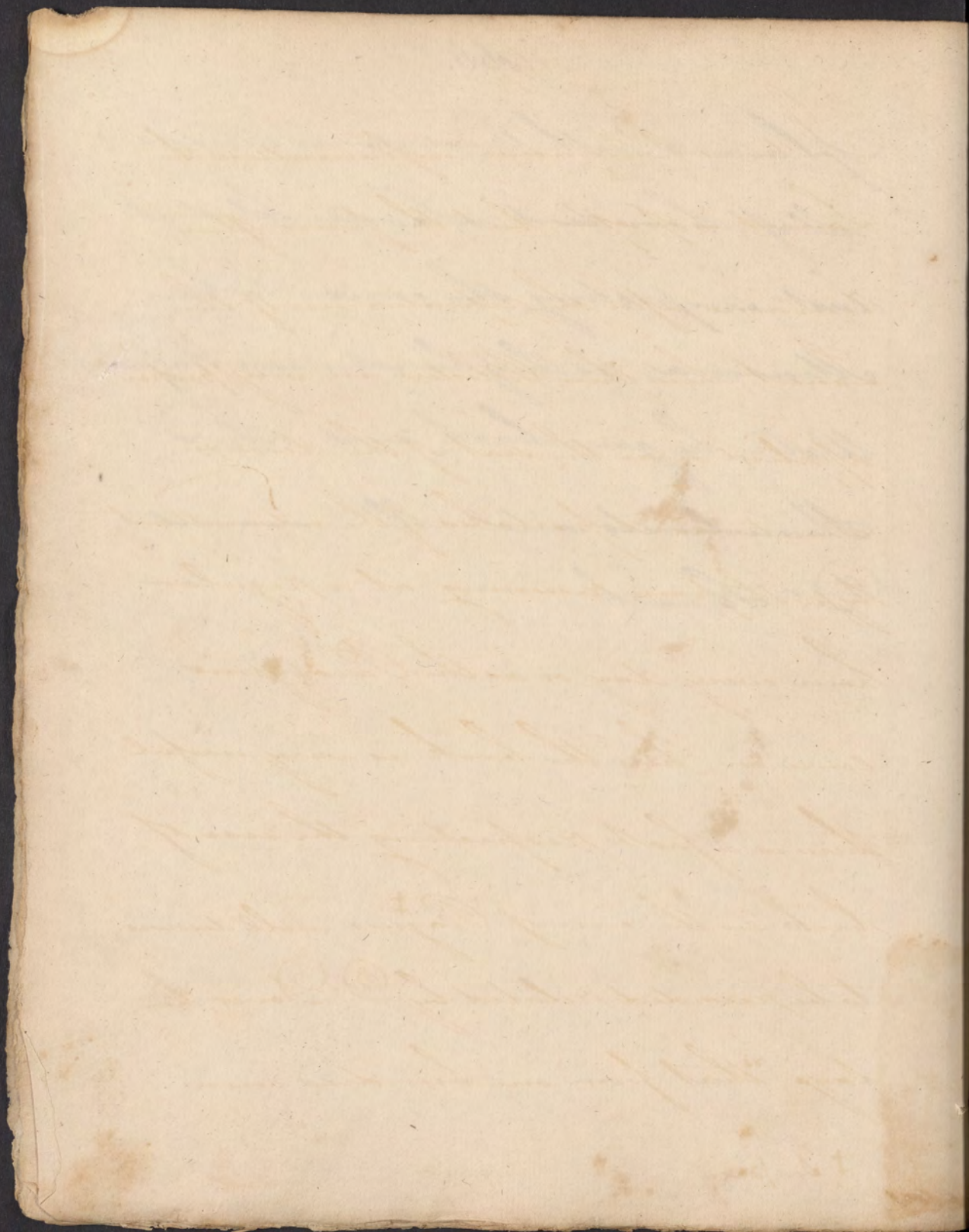


and debilitated and comes on with
a shivering. it frequently attacks
persons who are often intoxicated.

It is a Remitting or Intermitting fever
and owes its Origin to the same causes
As with Marsh Measles the pulse generally
indicates bleeding but this increases
the Symptoms: it yields very readily
to blisters and bark, in those pleurisies
that Occur in the Autumn, bark is the
only remedy and may be given with
the greatest success. Dr. McKenzie
informs us that he had a Number



of Patients with Pneumonic diseases
 all of whom died who were bled at
 last suspecting the cause to be
 Measina, as they lived near Magnan
 Water, he gave bark and other
 Stimulants and all recovered.
 Dr. Staack







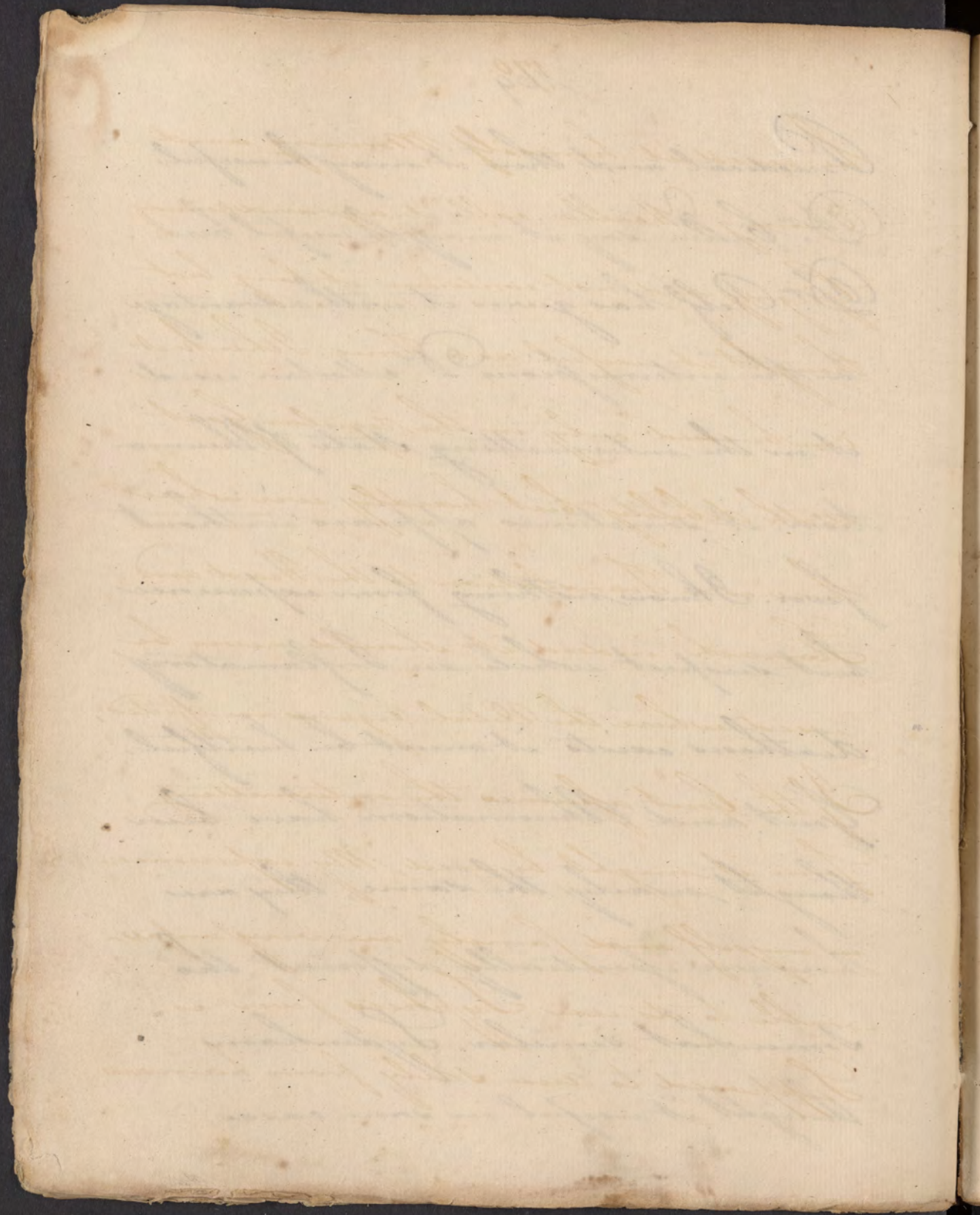
In twice Pneumonic inflammation the
 Lancet is proper, but the pain often
 remains after the repeated use of the
 Lancet, here then Blisters are very proper
 applied near the seat of the disease:
 Sometimes it partakes of the intermittant
 type the pain recurring at a regular
 hour every day or as the Paroxysms
 come on, here the bark is very useful.
 there is a fact respecting the use of
 bark in the cure of [†]Peagues well deserves
 to be recorded related by D. Dover, he
 says ²² that from one hundred men

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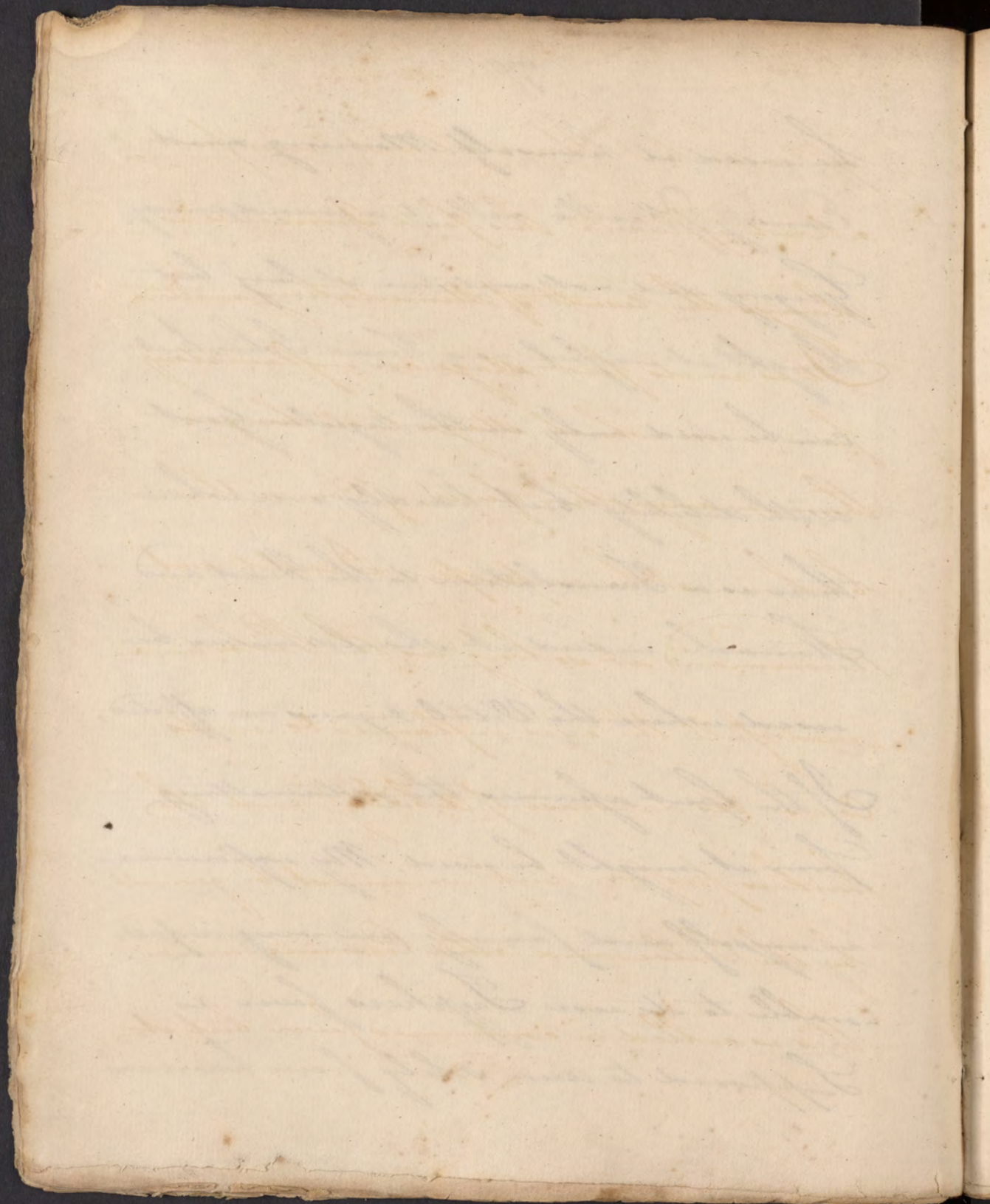
with Plague he took each 100 Ounces of
 Blood and that only eight of them died
 those that made use of the bark uniform-
 died." the Plague sometimes makes its
 appearance in the form of a Tertian,
 Quartan &c. in which cases the bark
 may prevent the almost fatal
 termination by being plentifully
 given. Rheumatism, commonly
 exists with an inflammatory diathesis,
 Dr. Cullen found the bark hurtful
 after sweating it may become

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Periodical and then it may be useful.
 Dr. Cullen say it may be useful here.
 Dr. Relf has given it with advantage
 in the intermissions. Dr. Morton used
 it in the intermitting state of Rheuma-
 tism. it sometimes appears without
 fever. I know nothing from experience
 but suspect while an Inflammatory
 diathesis exists it must be hurtful.
 Gout and Rheumatism have been
 thought nearly the same, they are
 however essentially different tho'
 somewhat similar. Sydenham
 thought it useful in some cases,



he used it himself Morning and
 Evening, Healla calls it a grand remedy.
 Gregory did not continue it long but
 thought it useful as a Tonic. I think it
 can be used only in the regular Gout
 with debility but hardly ever where
 there is a Translocation to the Head and
 Stomach indeed it should never be
 used where the Vital Organs are affected;
 If the Gout assumes the intermitting
 form it might be used; My experience
 in myself and family are very unfav-
 orable to its use. Typhus fever is
 Supposed to arise solely from human



effluvia, but I have seen it arise from
 Marsh effluvia, this fever I conceive is
 always the result of Stimulating matters.
 It is in its first stage an inflammatory
 fever and which stage lasts longer
 than in any other fever, of Course the
 bark must be improper. I could not
 recommend it so long as the Pulse reman-
 -ined full the eyes inflamed &c. in its
 Course its a disease of debility and the
 bark is proper: but we must be govern'd
 by the Pulse and other Circumstances.
 this is called a continued fever but it

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

is not always of the continued kind
but has distinct intermissions in
which the bark must be given.

Plague is a true Typhus or a fever in
its first stage inflammatory and ending
in Typhus; hence the bark in the
early stage must be improper. Dover
says the Plague was always of an
Inflammatory nature, he bled after
Petechia and Bubos appeared and
lost only 8 out of 100. De Meertens says
Bleeding was hurtful, he used bark,
Blisters, Min. Acids and Aristoloch.

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Serpent, Ravennia, cured fevers much
 allied to the Plague with bark & cotton
 used it. Writers describe every different
 disease under this name. Yellow
 Fever. I shall say nothing of its Origin
 this is spoke of as a continued fever, but
 but the remissions are often very observable,
 it sometimes puts on a Typhoid type.
 it sometimes killed the 3^d Paroxysm,
 it is a true Synochus and ushered in
 with inflammatory symptoms. In the
 Year 1793. this disease was thought to
 to be of the putrid kind and the treatment

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by some Physicians corresponded
 with this Idea; the success of this
 practice you are no doubt acquainted
 with. after this the debilitating plan
 with mercury was adopted with
 more success tho' it often failed.
 In its first stage bleeding, cathartics &c.
 were employed with advantage;
 the bark was very useful after the
 full pulse, pain &c. were removed.
 Dr. Bruce found it useless in the
 early stage. (Treatise by Dr. Lang of
 S. Carolina recommended)

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It has been recommended in another form of fever to wit. Exanthematic.

These fevers in their first stage are of an inflammatory nature, in which stage the bark must be very improper.

But these fevers are often attended with symptoms of debility, by some called putrid where the bark is very useful. the bark has been used in the Variolous Eruptive fevers.

Dr Cullen says he hardly ever see a case in which it seemed proper,

allowing it capable of favoring suppuration,
 it appears it does not occur during the
 eruptive fever, if it is of the putrid kind
 he allows it may be proper but he
 never saw such a case. I however differ
 from Dr. Cullen a feeble state of the
 System is necessary to suppuration
 which is sometimes present & conse-
 quently the bark would be improper.
 but sometimes when the Putridities
 should appear, the pulse is feeble &c.
 here the bark may be advantageously

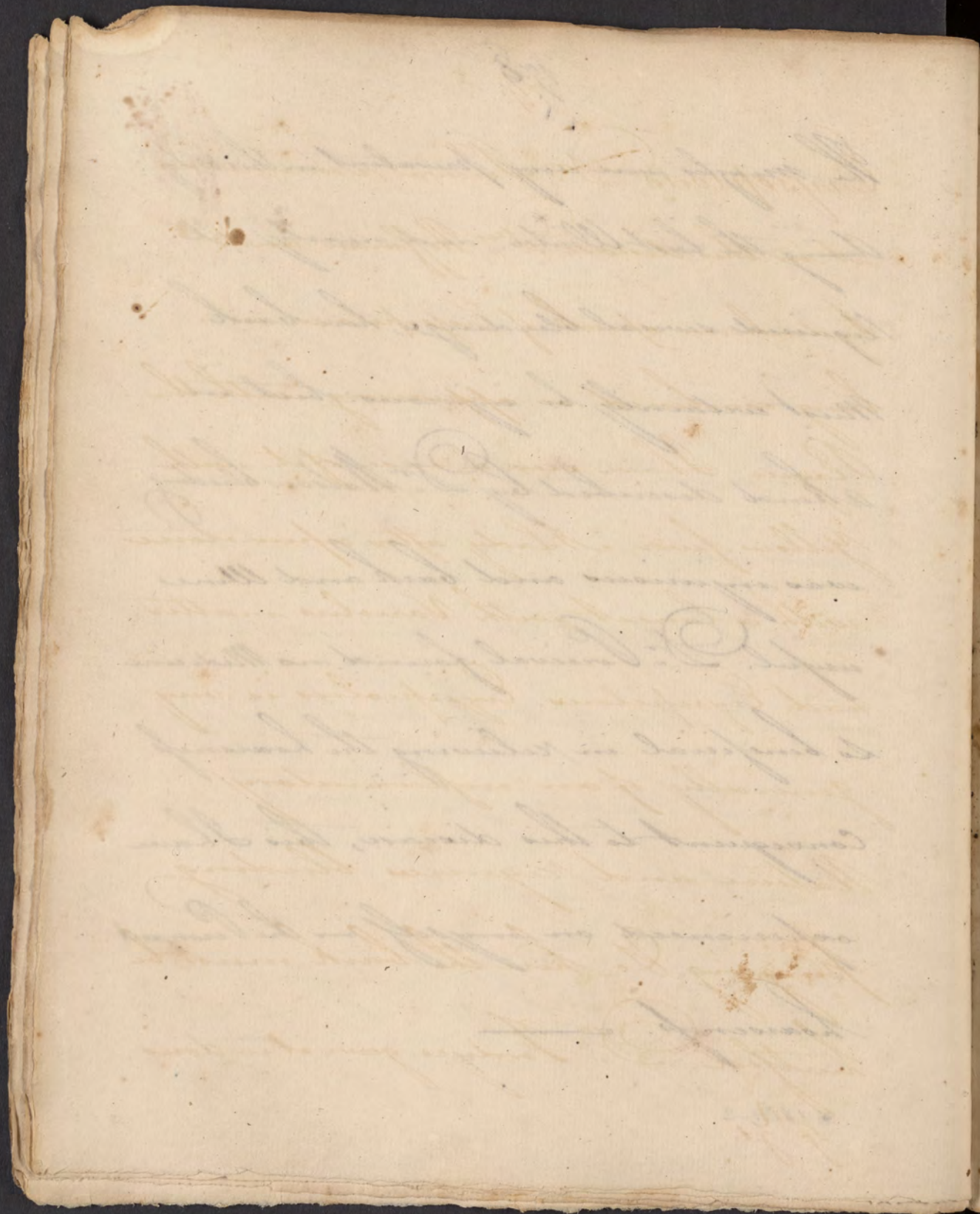
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given to excite the Arterial action. Dr. Munroe
 found it useful in those cases & Rosenstein
 had recourse to it in the 2^d Stage for
 the elevation of the Pustules, Dr. Brown
 mentions the case of his Child from Asthenia
 Could not propel the Pock, a glass or
 two of his diffusible stimulus soon
 brought them out. In confluent small
 pox and Secondary fever bark may
 be useful. —

Meazles, are an inflammatory exanthematic
 disease which bears bleeding well.

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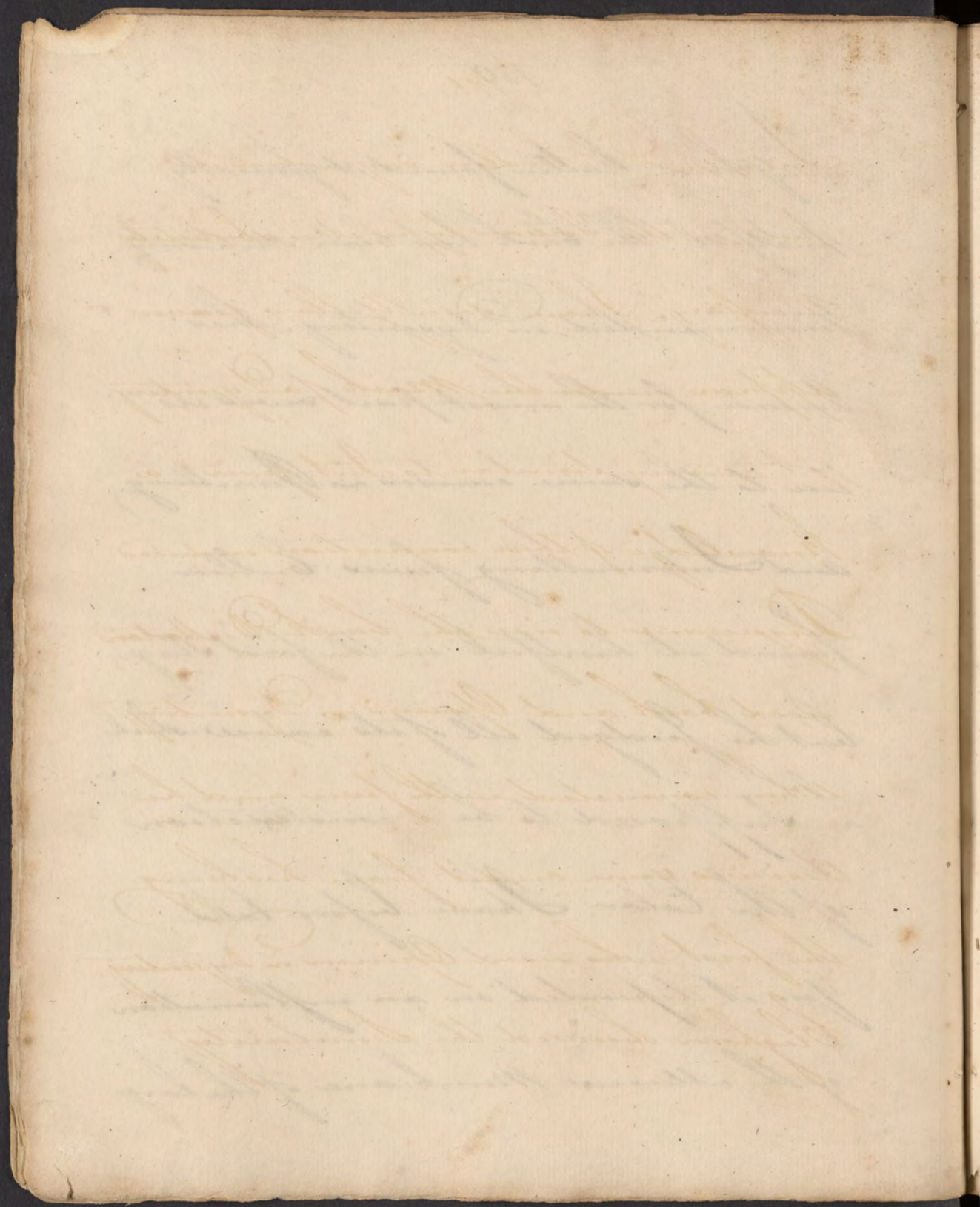
The measles were very prevalent in this City during the last Winter*, and nearly all required several bleedings, here bark must certainly be injurious: but in a kind described by Dr. Watson bleeding was injurious and bark and Wine useful. Dr. Percival found no Medicine so beneficial in relieving the hoarseness consequent to this disease, this I have experienced on myself in the Permant hoarseness. —



Erysipelas. Dr. Percival recommended it in this disease Dr. Hoffman and Sydenham speak of Erysipelas as being combined or appearing with the Rage. I have seen a case of it with Yellow fever. A Lady after a puncture with a lancet with Variolous matter had Erysipelas. Erysipelas is very generally of an inflammatory Nature and requires bleeding purging &c. here the bark must be useful. Dr. Fordyce gave it in doses of ʒi.

[Faint, illegible handwriting in cursive script, likely a letter or journal entry. The text is mirrored across the page, suggesting bleed-through from the reverse side.]

every hour. Cullen found it generally
 hurtful. The bark has been strenuously
 recommended in Dysentery. This
 disease for the most part owes its
 rise to the same causes as Remitting
 and Intermitting fevers. Cullen
 found it hurtful in the first stage,
 but he Judged ill of its cause which
 he supposed to be a constriction
 of the Colon. I have before told
 you it depended on an inflammation
 of the Mucous Membrane of the large

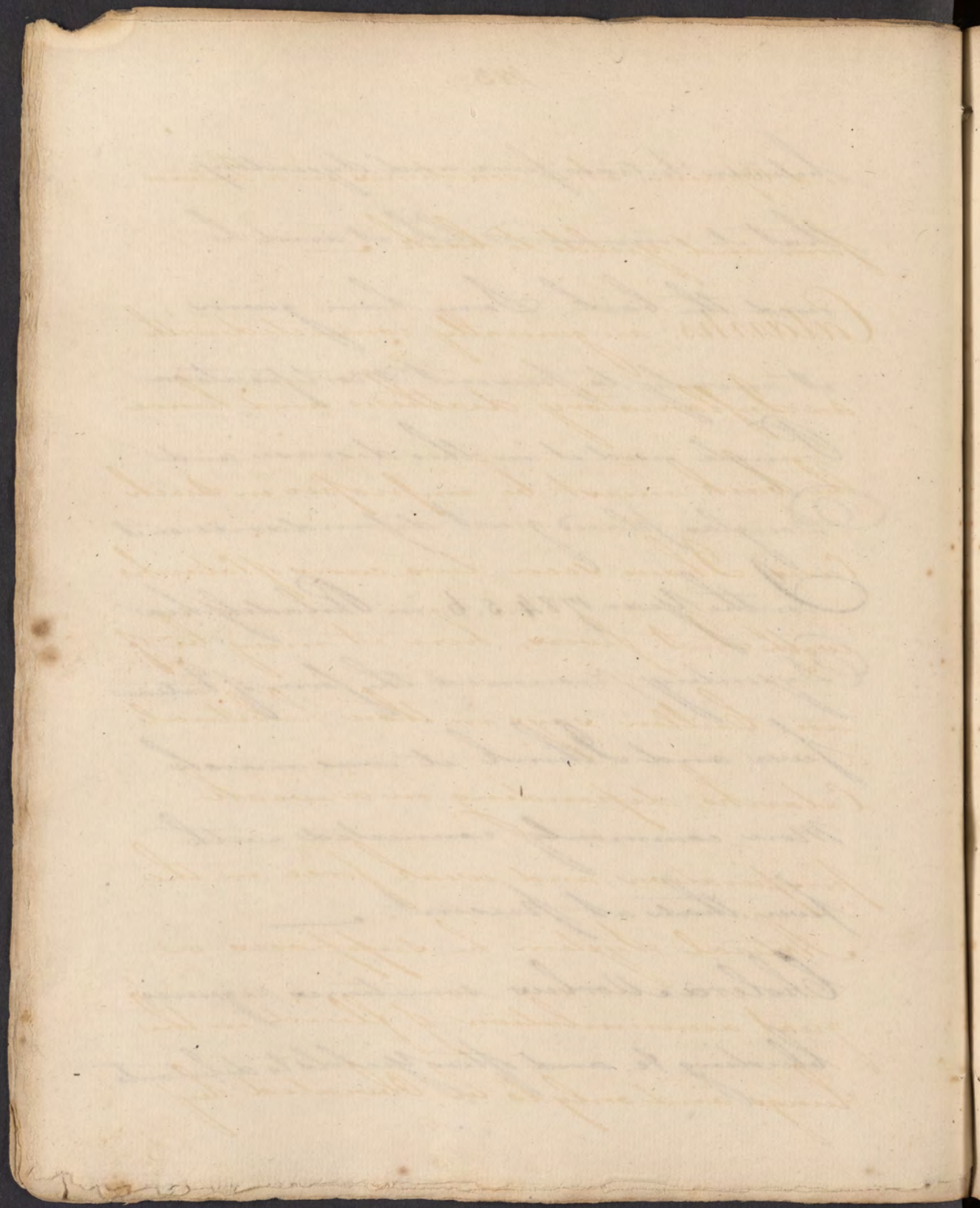


Intestines. Dr. Cullen says when it
 puts on the Tertian type it is absolutely
 necessary. I have seen Yellow fever
 appear under the mark of a Dysentery.
 it is very similar to Int. fever & a
 knowledge of their connection induced
 Physicians to use the bark. Dr. Morton
 used bark and Opium in Dysentery
 when connected with fever and he
 deserves some credit from his being
 the first who used Opium in Dysentery.
 Clegborn observed the similarity

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between Tertian fever and dysentery.
 that it commenced like it and he
 used the bark. Some have given
 it merely to prevent mortification.
 Pingle used it in this disease and
 Douglas placed great dependance on it.
 In the Year 1784, 5, 6. in Philadelphia
 Dysentery resumed the form of Tertian
 fever and I think it was much
 more commonly connected with
 fever than at present. —

Cholera Morbus sometimes requires
 bleeding &c. and often yields to diluents,



and Opium. it is sometimes in a Tertian form and yields to bark. —

Cataracts. are generally connected with an Inflammatory diathesis and hence the bark must be improper in such cases. I have seen two cases of Cataracts with Int. fever, here it may be of use. Cullen says in those habitual Cataracts depending on a weak perspiration and weak force in the Arterial System he supposes a great accumulation of fluid in the lungs and only to be Obviated by

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Strengthening the System of the Cortex
which bark and riding are the most
effectual. there is some truth in this
Observation, many have narrow chests.

In every inflammatory affection of
the lungs bark must be hurtful.

I am now to speak of Hemorrhages of
Red blood. there are two Species of
Hemorrhagy Viz. Active and passive.

There are I believe ninety nine cases
in one hundred of the active kind
Epistaxes is one when the bark
must be improper. —

18

My dear Mother

I have just received your letter of the 10th inst. and am
glad to hear from you. I am well and hope these few lines
will find you the same. I have not much news to write at
present. I am still in the same place and doing the same
work. I have not much time to spare for writing at present.
I have just received your letter of the 10th inst. and am
glad to hear from you. I am well and hope these few lines
will find you the same. I have not much news to write at
present. I am still in the same place and doing the same
work. I have not much time to spare for writing at present.

Dr. Cullen found Hemoptysis very generally inflammatory and the bark hurtful. I do not think Menorrhagia frequently passive it is generally active which requires bleeding. Digitalis and Cereus Aetnat. Hoffman used bark in Hemoptysis and I agree with Cullen there are some cases depending on debility where it is useful. —

Bloody Urine this is much more frequently of an active kind than that from the Kidneys in a laxity of

which the bark is useful. —

Phtisis Pulmonalis. — this is its early stage, is very generally connected with an inflammatory diathesis which the bark must necessarily increase by its Tonic property. Dr. Cullen thought it was hurtful nine cases out of ten, when the hectic was a Tertian, it prevented the Paroxysms sometime but they always returned and no good was effected. Dr. Reid never saw it do good. Berquius however says he never knew it hurt.

Van Swieten approved of it Zissot used it generally. I have met with some cases similar to Dr. Cullen's, the chills were distinct and the patient lived four months: where the chills are severe the bark is the only remedy.

Professor Murray mentions a species where the Matter coughed up was a Sweet mucus. and laxity and debility where he employed it with much advantage. Quackham used it Stone employed it and other Tonics it may be so managed as to prevent

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

the Paroxysms and even cure. —

Dropsies, frequently arise from fevers or are connected with them; every paroxysm is accompanied with an increase of the Swelling; by attention the febrile type may be perceived. Dr Lind observed the tertian type thro' the whole course, here in the Apyrexia the bark may be given. In Hydrocephalus when incipient I believe bark would often cure. I believe Ninety nine cases in one hundred are ushered in with symptoms of intermitting fevers. I have seen

[Faint, illegible handwriting in cursive script, likely a letter or document, spanning the page.]

thirty or forty cases of it and never saw
one that did not arise from them.

Gangrene. Mr John Hunter divides
Gangrene into two kinds, the one accomp-
-anied or beginning with inflammation,
the other without. he considers inflammation
any increased action of that power a part
Naturally possesses; the increased action
in healthy inflammation is attended
with an increased power, but in
Inflammation which terminates in
Necrosis there is no increase
of power, If an inflammation exists it

109

My dear friend
I have just received
your letter of the 11th
and am very glad to hear
from you. I am well and
hope this finds you the same.
I have not much news to write
at present. I am still in the
same place and doing the same
work. I have not yet had
time to write you more fully.
I will do so as soon as I
can. I am very truly
your friend
J. W. F.

Always improper to exhibit bark or
 Wine and when Blood letting is
 useful. But if there is a loss of Tone in
 the heart and Arteries the bark is very
 useful by exciting a proper degree of
 Inflammation and Suppuration
 Round the Gangrened part. the bite
 of the Viper causes a partial mortif-
 ication which has been treated by
 Fontana by putting the part in an
 infusion and sprinkling the
 powder on it.

100

My dear Mr. [illegible]
I have the honor to acknowledge
the receipt of your letter of the
10th inst. and in reply to inform
you that the same has been
forwarded to the proper
authorities for their consideration.
I am, Sir, very respectfully,
Your obedient servant,
[illegible]

Scrophula is known to our Indians.
 I believe with Cullen that lacity & flaccidity
 is not sufficient to account for it. a theory
 is held by Dr Beddoes who thinks there
 is a preternatural quantity of the base of
 Vital air, but this I consider a position
 that has no foundation. Cullen never
 saw any benefit from it: yet Fordyce
 used it with advantage. I have used
 it in a more inveterate case and
 ascribe the cure of my patient to the
 largest doses I ever new given. but
 it will frequently fail; the sores were

Dressed with copper the fossil alkali
has been recommended and used by
Dr. Morroe joined with bark which
he says is better than any other medicine.

Rickets. this is unknown to our Indians.

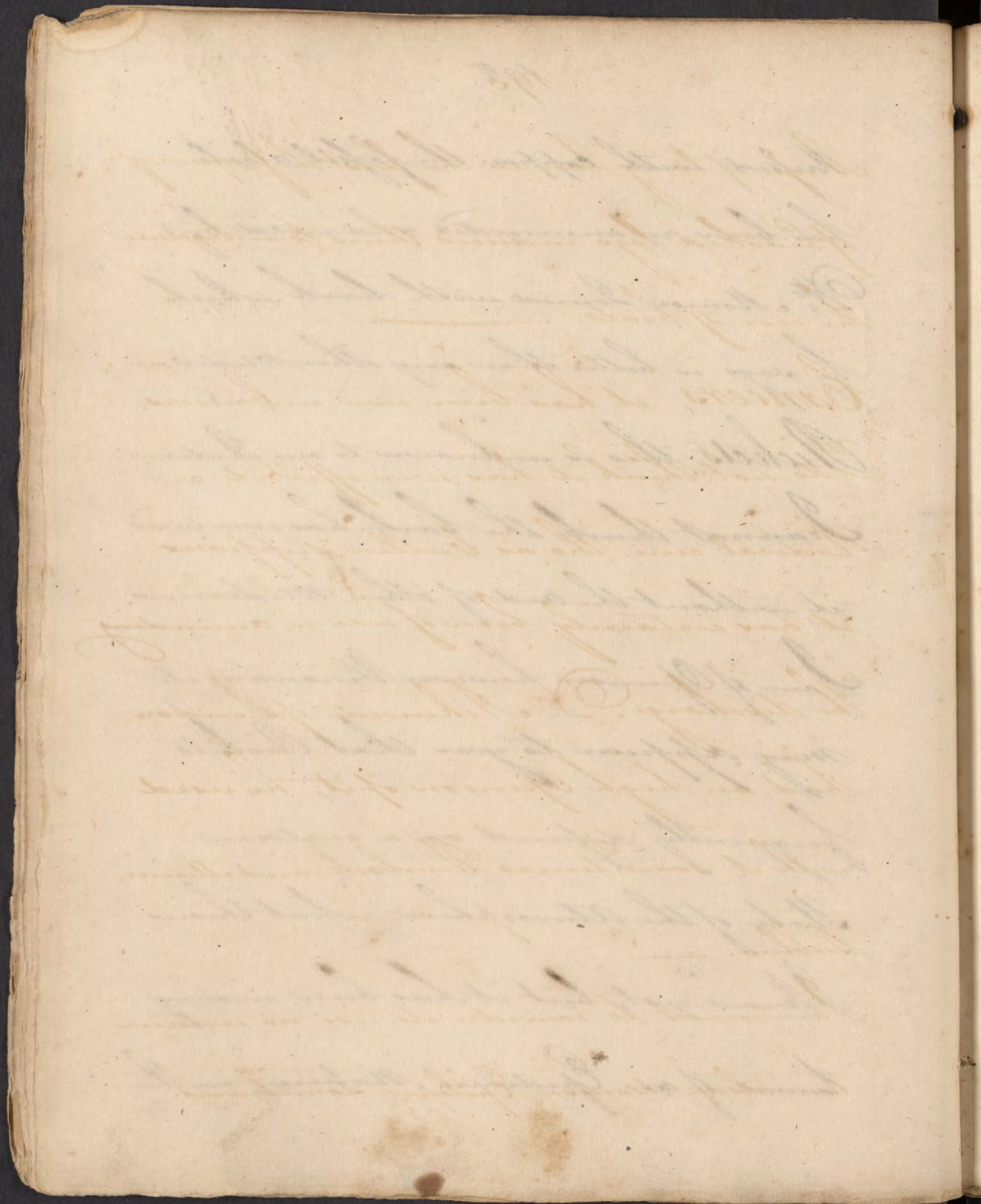
I cannot think the bark has ever cured
it without the aid of other medicines.

I am of Opinion however Visionary it
may appear to you that Rickets

frequently depend on a certain
state of the Atmosphere, what this is

I know not, but it has been many

times of an Epidemic nature; in the



Reign of King James the first the frequency
of Crooked legs induced them to introduce
the use of boots. —

Cancers. it has been used in Cancers.
I do not think it has ever effected a
Radical cure, tho' as Cullen supposes
it has certainly been of use in amending
the discharge. Dr. Aikenside of London
had an high Opinion of it: he used
with it sometimes Hemlock and Mercury.

Sublim. —

I am next to consider its use in certain
convulsive diseases. Epilepsy sometimes

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Depends on an Organic affection of the head
for which there is no remedy. when its
connected with a plethoric state or is
excited by a turgescence of the Vessels
of the brain the bark is very improper
here bleeding is of use: the blood is stazy.

Cullen says it can only be useful when
from a Mobility of the System. but he
prefers the Mineral Tonics as Vit. all.

Cup. Ammon. &c. Dr. Cullen found most
advantage from giving large doses
immediately preceding the expected
paroxysms. Wulhoff & Alstead found it of Much adv^{ce}.

[Faint, illegible handwriting in cursive script, likely a list or ledger entry, spanning the page.]

Tetanus. I have had no experience of it in this disease. I refer you to a paper in the Philosoph. Transact. by Dr. Rush. The nature of this disease is not known, it is excited by the Vegetable poisons as Stramonium, hemlock, dropwort &c. and by the Animal - as by the Coluber. The rattlesnake pilot, these poisons are of an Stimulating nature and the disease from them mostly of debility. I have removed it by bleeding.

Chorea. Dr. Cullen says is a disease of Debility occurring at a particular period

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of life, and advises bark and Steel.

Wenthoff used it with much advantage.

Stone cured a case by the decoct. which was connected with Rheumatism.

I have cured it by a very opposite treatment. Sydenham used evacuations.

a plethoric state of the System certainly calls for the lancet. I once was consulted for a Lady in Lancaster, the cold bath Iron &c. had availed nothing she was pregnant, I did not see her, but advised blood letting, the Physician was unwilling to try it but the first bleeding

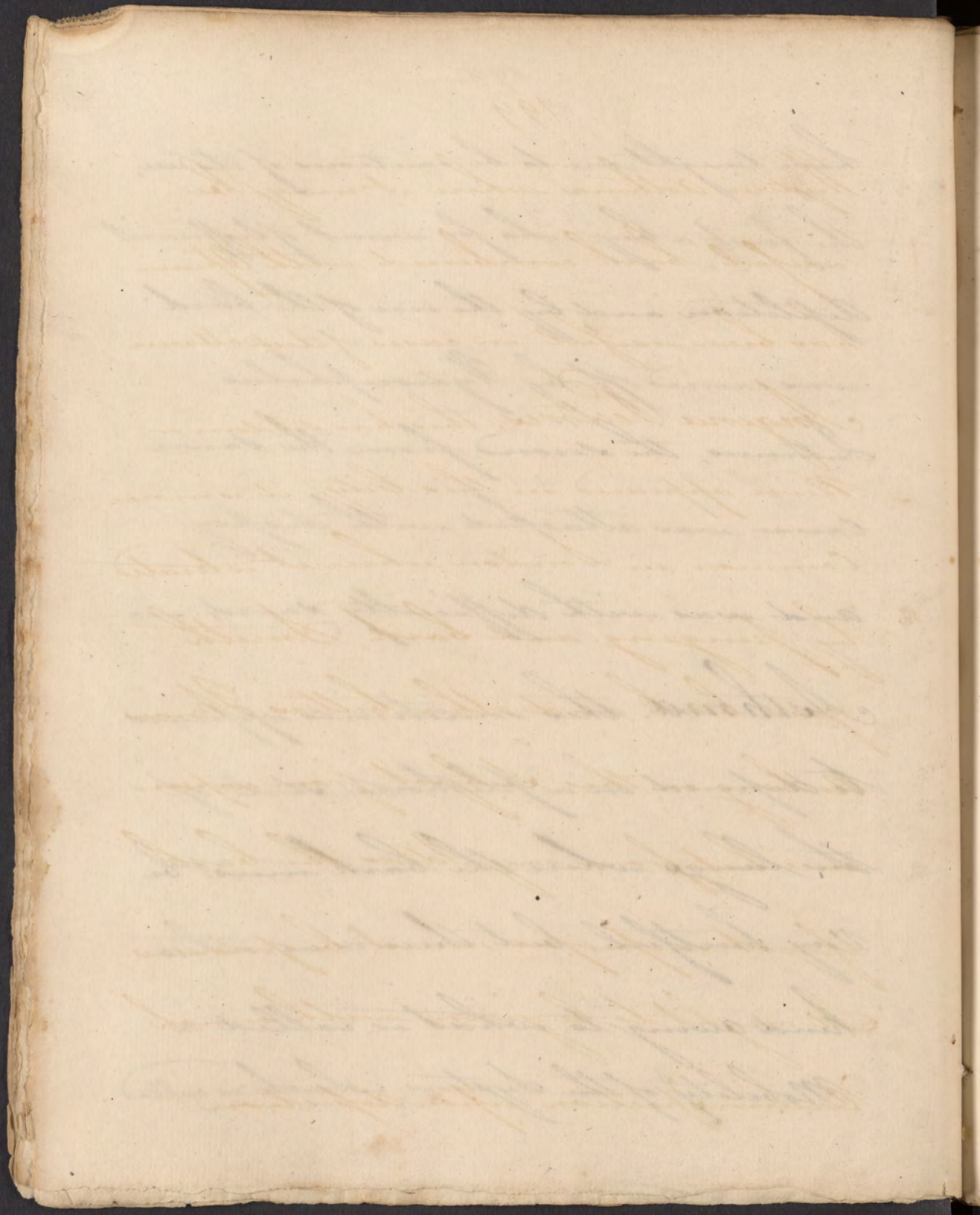
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so satisfied him it was of benefit as to repeat it: it entirely disappeared with Pregnancy. this case had proceeded to a great degree. —

Portusis. it has been of use but the proper time to exhibit it is difficult to say. Cullen says while the disease is recent and the contagion still acting it is hurtful but may be of use if the disease continues by the force of habit, if there is no Pulmonary congestion. Miller & Morris found it useful. two cases which I have seen

have taught me to be cautious of its use,
 the first a boy who for want of sufficient
 depletion and by the use of the bark
 was carried off by Hydrocephalus
 Intermus, the second from the same
 cause was attacked with dropsy
 and was with difficulty saved. —

Asthma. this sometimes appears
 to depend on a plethoric state of
 the lungs where the bark must be
 very hurtful, but there is another
 kind owing to what is called a
 Mobility of the System which is called

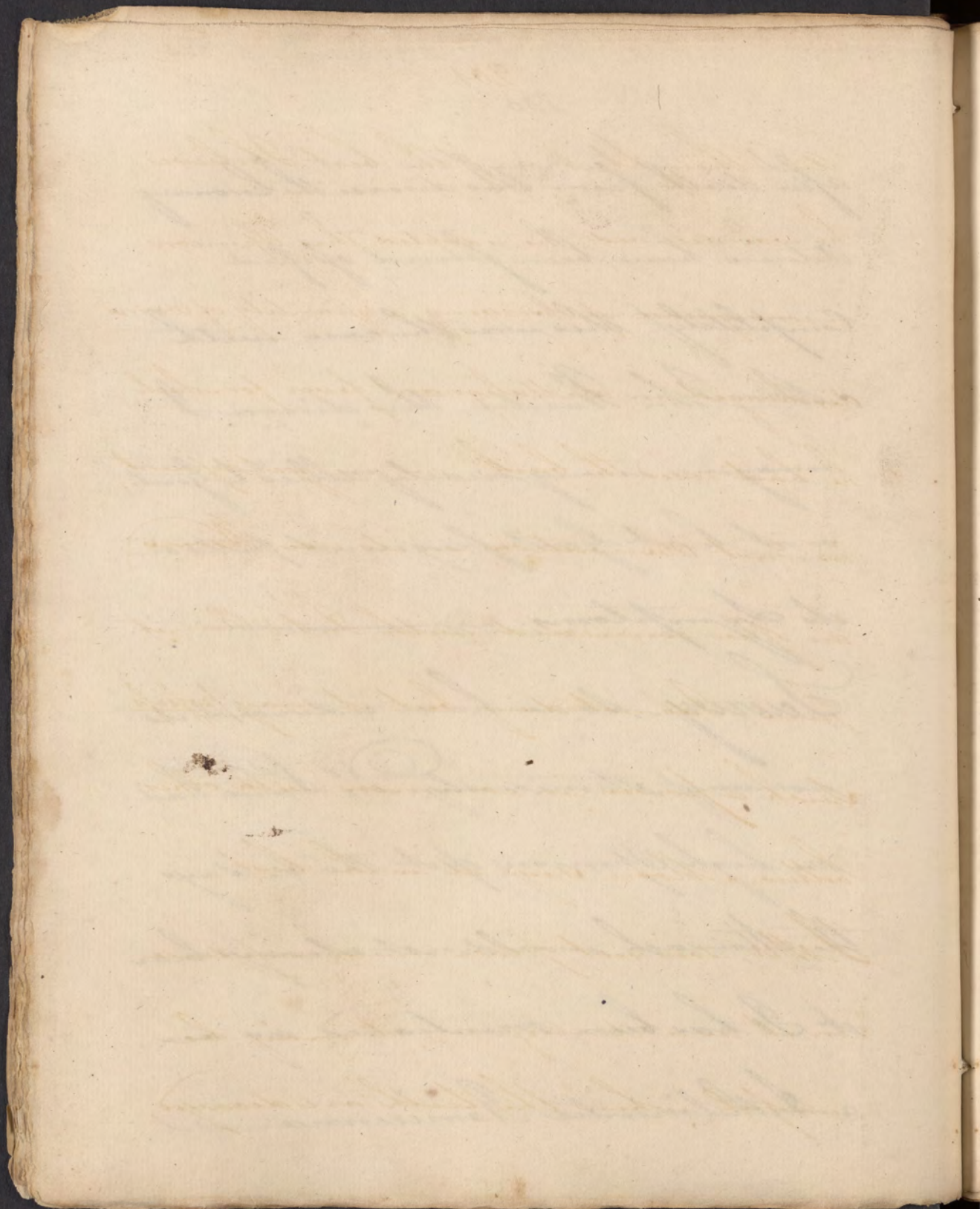


Hysteria Asthma where it may be
 useful, bark combined with Opium
 has been useful in cases of deep Mania
 Angina Pectoris, this has seldom or
 Never appeared in this City, it is more
 common in London where it is treated
 by purging and bark, Smith
 gave bark and other bitters. I know
 Nothing on this Subject from experi-
 -ence but from my Ideas the bark
 if not improper must be of no use
 It ought to be given with much
 Circumspection, upon Dissection

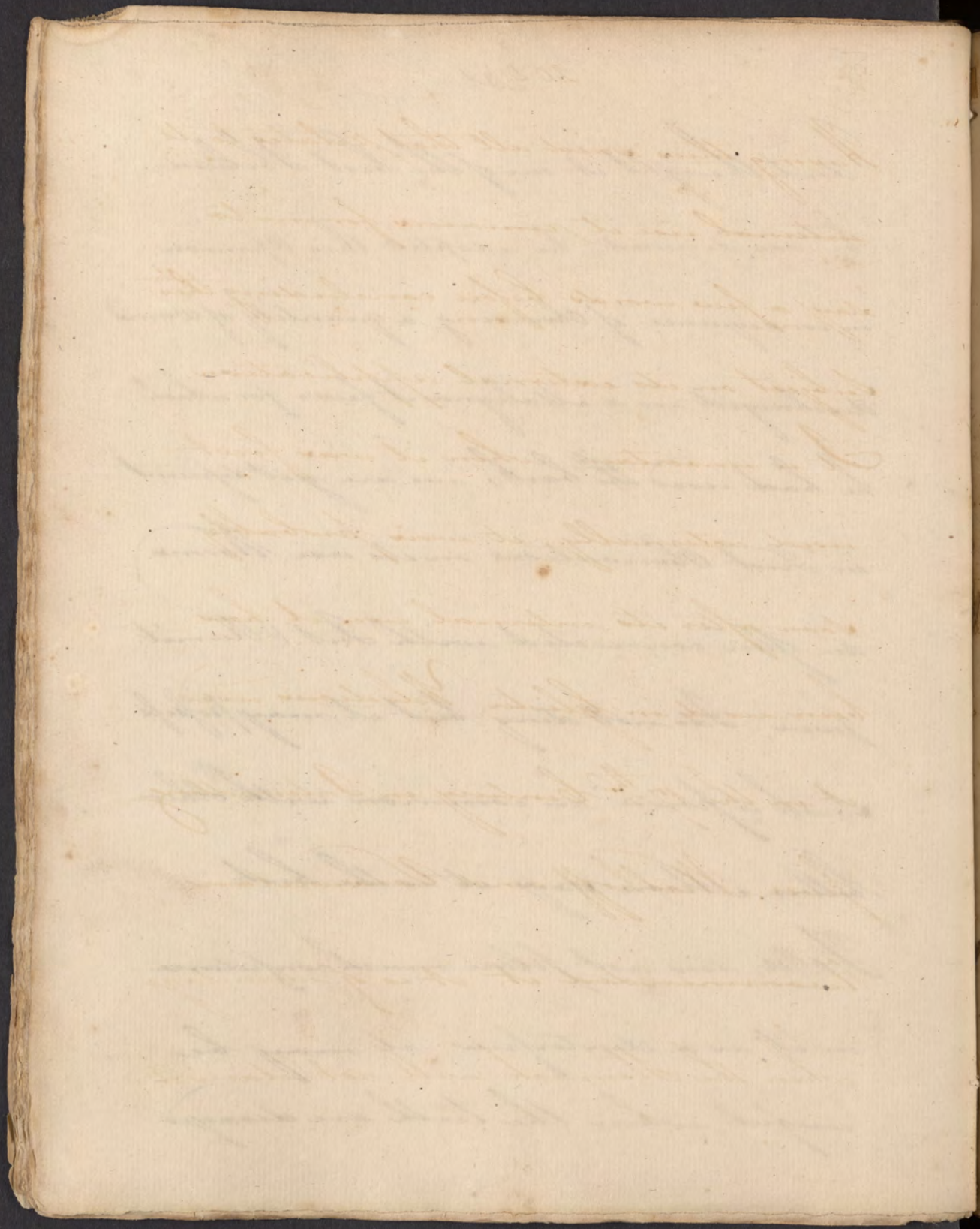
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after death from this disease the Coronary Arteries have been found ossified completely. this was the case with Mr. John Hunter, this disease I imagine is very nearly allied to Gout, or at least Gout frequent puts on its Symptoms. —

Scurvy. Some have advised its use very strenuously. Dr. Lind had an high Opinion of it tho' he says the Stomach would not always bear it. It has been mentioned as an Anthelmintic Ramiscena used it.

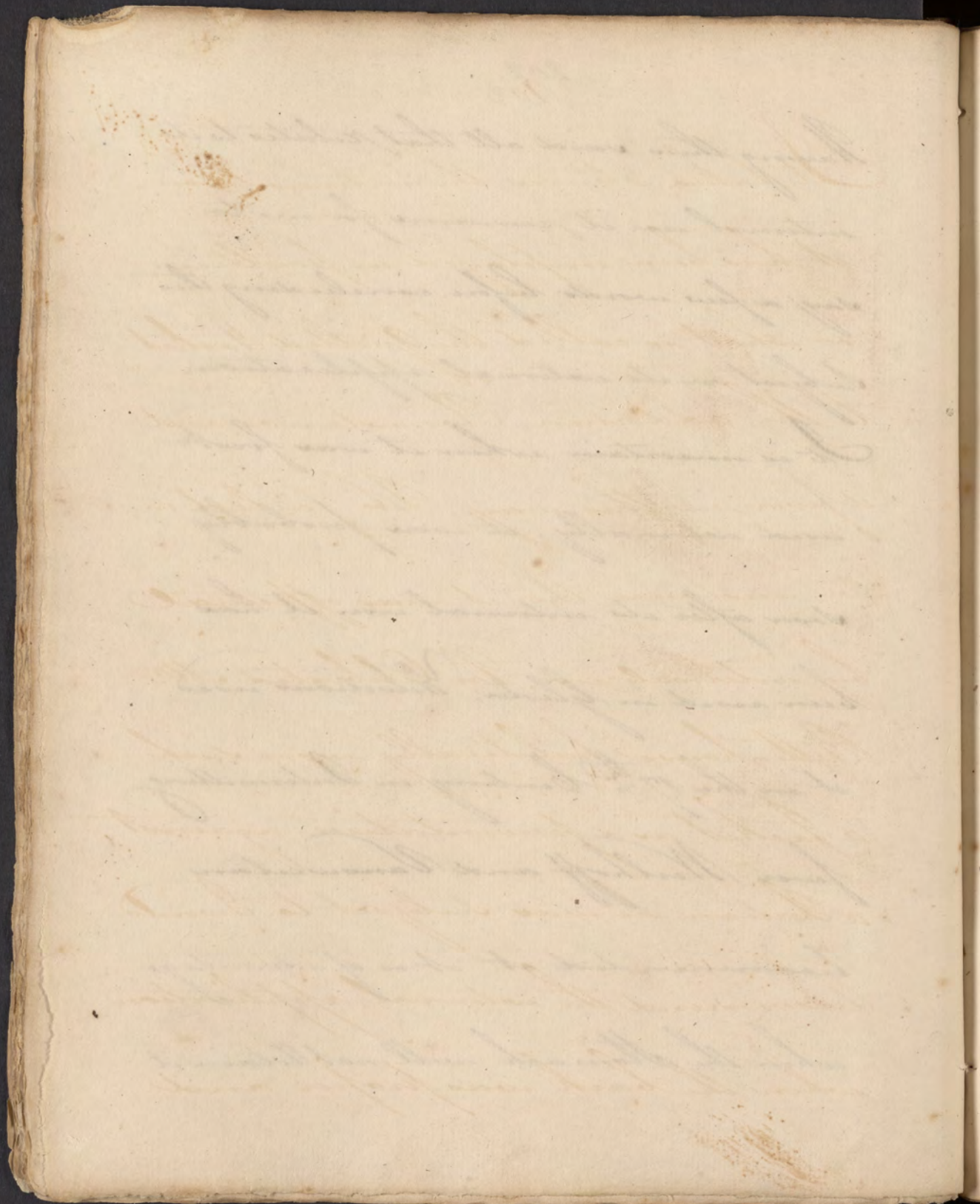


And thought it one of the best, I believe
 he was deceived, he adopted this Opinion
 in consequence of Observing a quantity of Worms
 discharged in a Malignant fever for which
 he had used the bark; we are yet deficient
 in Just Observations on its use. Worms
 are often connected with Int. & Remitt.
 fevers, I do not deny but it may possess
 such a power in common with other
 bitters. Moore says it is the best.
 Fetter, does not place much confidence
 in it as a dentifrice. it may be
 useful, when the teeth are decayed.



Having thus said all that relates to its internal use it remains for me to say a few words before concluding this subject on its external application.

It is uncertain when it was first used externally, it was probably soon after its internal use. it has been used in Glisters. Helvetius used it in the 17th Century in Intermitting fever. Werthoff and Vanswieten recommended it. it is of advantage when the Stomach will not retain it.



It takes 3 times the internal dose.
 it has been employed in poultice
 or what is called the quilted Jacket
 to the addomen. Rosenstein cured
 a fever in this way. He failed in
 one instance tho' it was effectual
 by internal use. The Celebrated Mr.
 Pittenhouse habitually wore such
 a Jacket as a preventative against
 a Tertian he was subject to. I would
 recommend the external application
 when the bark was proper and

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could not be given internally.

Dr Jackson a graduate of the last Spring 1802 found when applied in a Sackit, it increase the force and fulness of the pulse, a disagreeable sensation of heat and dryness was evident in the hands. —

If left on a Child until the complete formation of the paroxysm it never fails to augment its violence.

In 100 pure Intermittants I believe it would cure 99. Vansweetan salivated a person and did not cure

a fever which bark afterwards did,
 Bark is sometimes usefully joined
 to Mercury, it is often useful to
 put the patient on Mercury before
 giving the bark. —

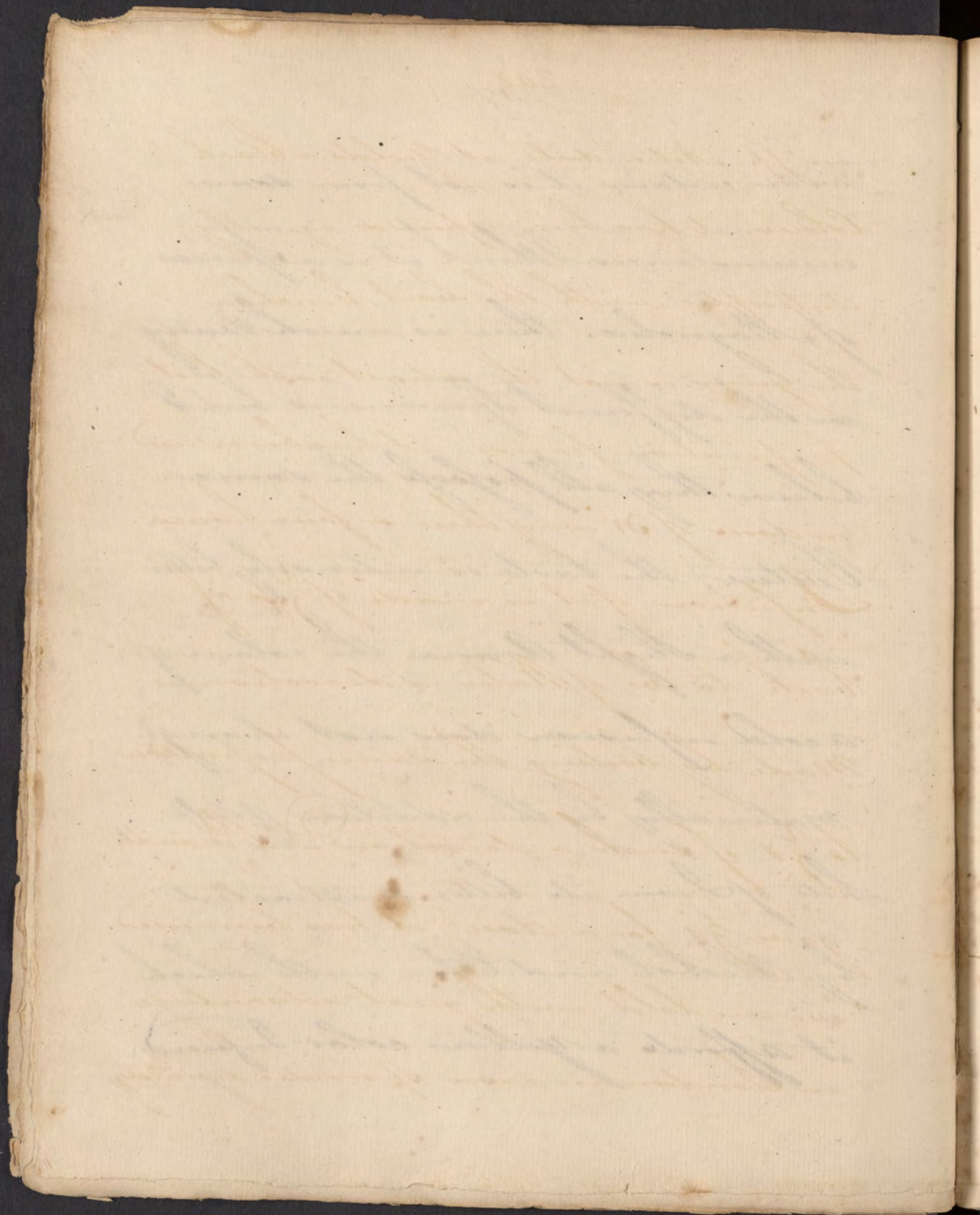
I conclude I have not saw a Physician
 whose confidence in bark has not
 increased with his years, we don't
 know half its Virtues, I have now
 finished the Subject of the bark
 but before I proceed to the Mineral
 Series I shall speak of some of the

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

other Vegetable Tonics, we have a number nearly allied to it. —

Angustura this was introduced in 1788. it was brought to Britain from the West. Indies and was said superior to the Cinchon. it is a Native of South America and its name it is said was given it from the place of its Origin, but we find no town &c. of that name. We do not know from what plant or tree it is obtained. it was supposed to be the Brucea, but

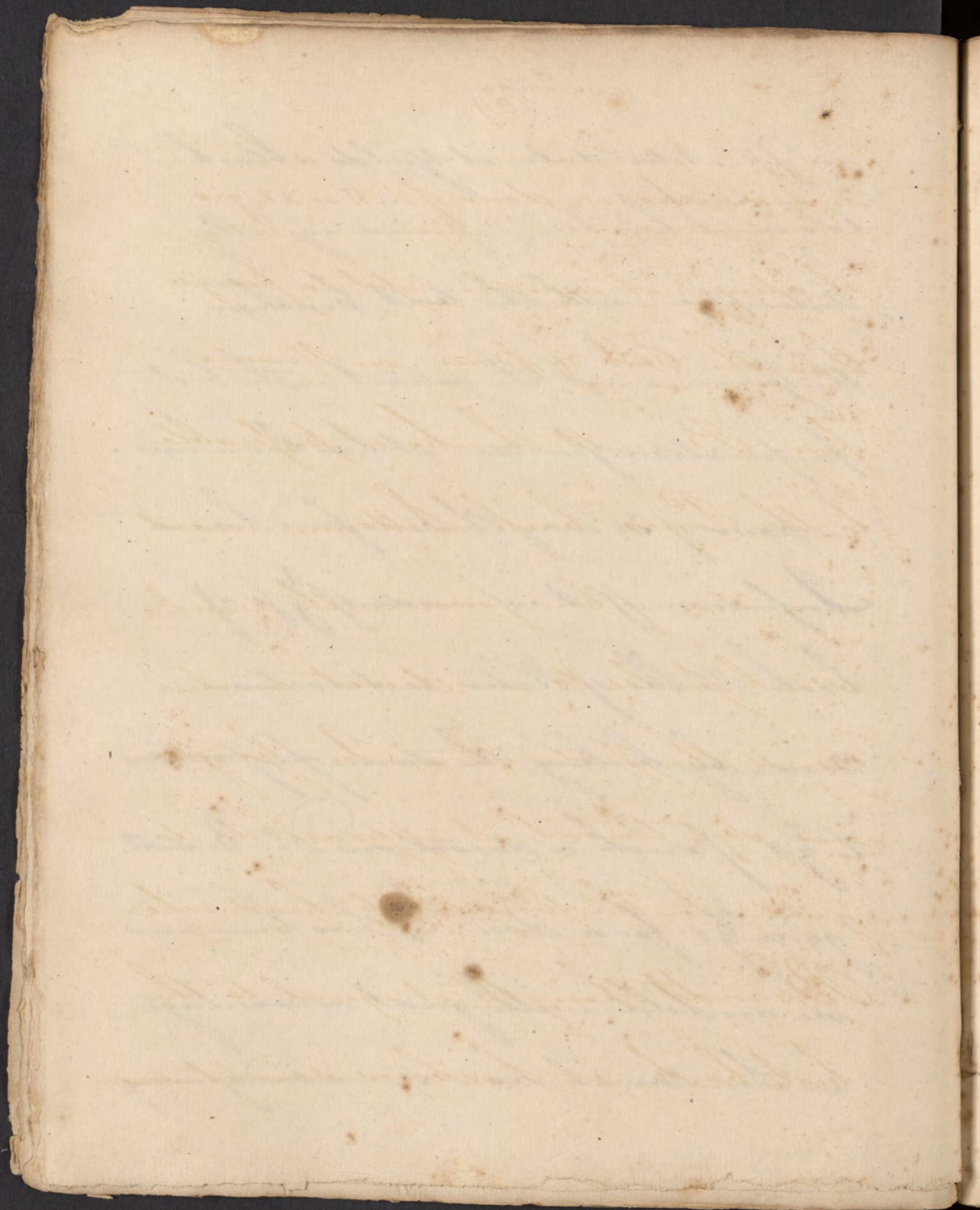
we are certain it is not from some
 circumstances I think it is a species
 of *Magnolia*. there is much variety
 in the different Specimens but I
 believe they all possess the same
 Virtue; the taste is intensely bitter
 with a slight Aroma. the colour of
 a cold infusion does not change
 materially by the addition of Sulphate
 of Iron. its bitter is extracted
 by Alcohol and Ether with which
 it affords a yellow color. Infused



in *Sp. Nitric. dulc.* it yields a black
 Colour. it has been reported equally
 Antiseptic with the best Cinchon.

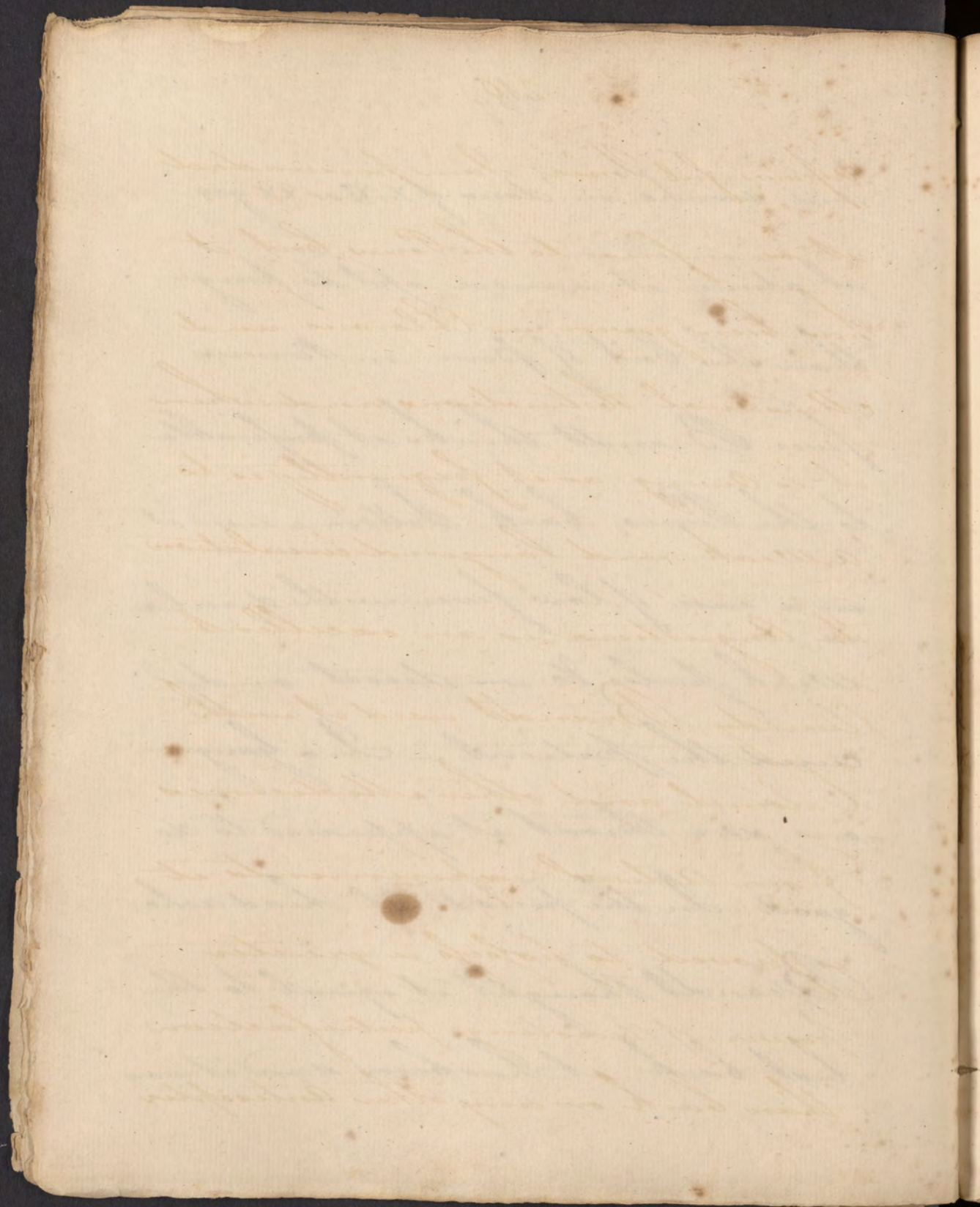
the Gum is not. the extract is the best
 preparation for use. it has been used
 in doses of \mathfrak{ss} . every three or four hours.

Infusion of it is made of \mathfrak{z} ss of
 bark to lbs. of Water. a decoction is
 made by boiling the same proportion
 to \mathfrak{z} ss. of such a decoction Dr. Brandt
 gave \mathfrak{z} ss. for a dose. it has been used
 we are told with great advantage
 in London in cases Sporadic dysentery

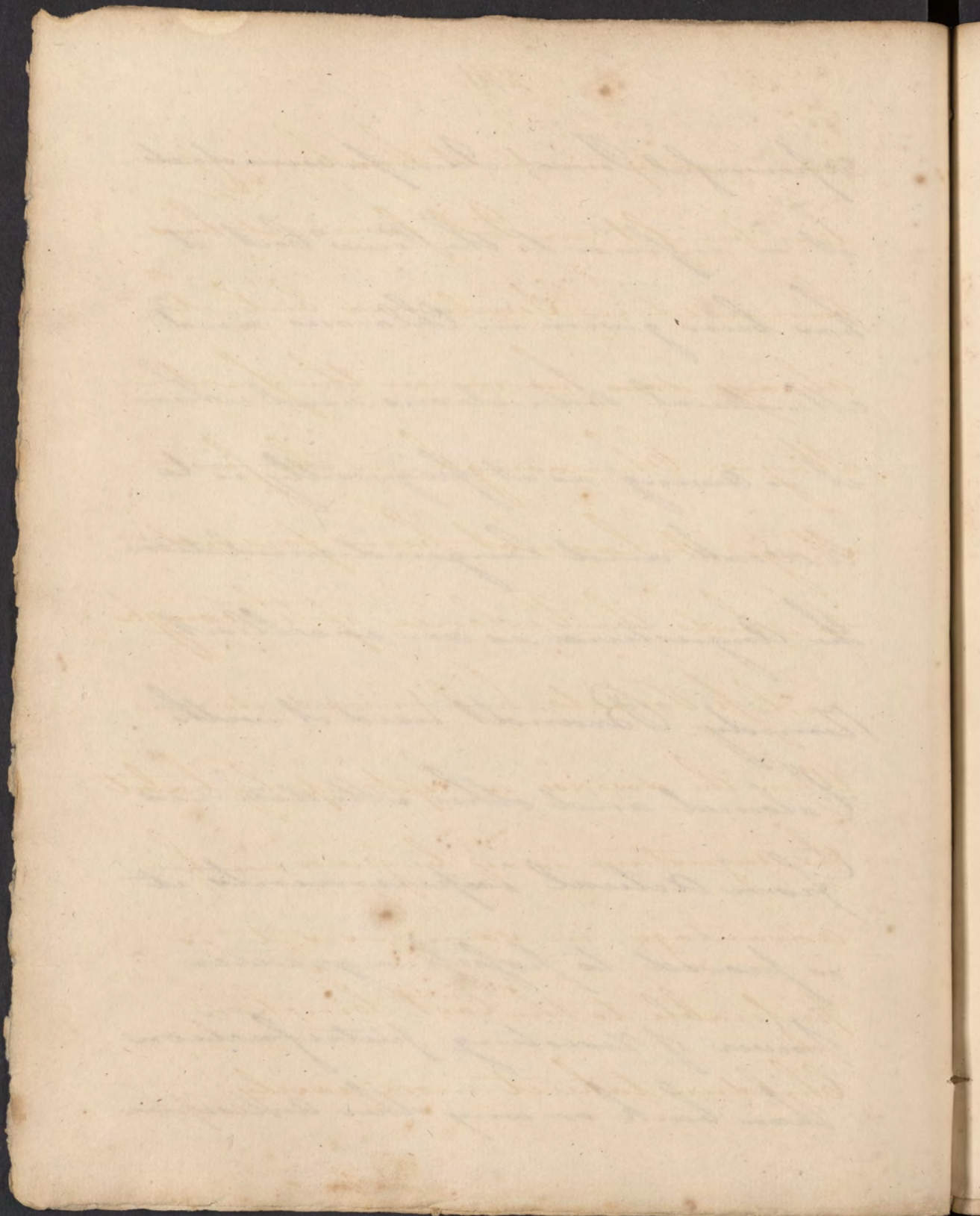


And diarrhea in doses of X , XX or XXX grs.

at a time. it is more apt to purge
than the Cort. of Peru. in Mowus
fever Brandt thinks it preferable
to the Peru. bark. Lettsome used it
in a case of low fever with diarrhea
weak pulse &c. in decoct. and
cured the patient. In a gangren-
ous sore throat it appeared to do
good. In the periodical headache
Brandt thought it equal to the
hot bark. it has been said it was



a powerful Tonic; I am persuaded
 it is inferior to the Peru. Cort. it
 has been given in Chlorosis and
 Menstrual obstructions and when
 it is owing as it frequently is to
 a weak and languid circulation
 the Angustura is an excellent
 Remedy. Brandt used it with
 Calomel and other Medicines.
 From actual experiments it
 is proved to possess a greater
 power of resisting putrefaction
 than bark or any other Antiseptic



commonly used. it has been of peculiar benefit in Int. fevers. it has been used in Scarlatina but it always does harm in the first stages. Chinough in the first stage it has not been found to abate the Violence of the cough unless Vomits had preceded its use. When the disease is kept up by habit the Angustura may be given with advantage, in some cases it is preferable to the Cort. Cinchon. Children take it more easily.

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To the *Materia Medica* it is a great
Acquisition. —

Magnolia Glauca. I have
formerly treated of this but I can now
refer you to a dissertation of the last
Spring 1802 by Dr. Price. it contains
every thing known this Species (the
Glauca) appears to be a very good
Substitute for the Cort. Cinchon.

Liriodendron Tulipiferum.

this belongs to the same class and
Order as the *Magnolia* and has
Similar powers. for ample instruction

1840

Harriet Martineau

My dear friend

I have just received your letter

of the 10th inst. and am glad to hear

that you are well and happy

I am very much interested in your

work and hope to see you soon

I am, dear friend, very truly

Yours, W. L. G.

P.S. I have just received your

letter of the 10th inst. and am

glad to hear that you are well

I refer you to Dr Rogers dissertation.
 in addition to this I am informed by
 Dr Gould of Winchester that the leaves
 possess the properties of the bark,
 these wet in Milk and Water and
 applied to the feet caused a sweat
 and sometimes a slight Venication.
 a little redness &c. —

Prunus Virginiana. this
 is nearly allied to

I refer you to Dr Morris Inaugural
 Thesis.

Salix alba. the bark of
 the *Salix alba* is more astringent
 than any of the rest: the astringency
 is greater in the oldest trees; it is
 discovered by the Sulphate of Iron.

It is said by some to be more
 Antiseptic than the Cort Cinchon.

I believe it is less so than is generally
 imagined. it has been found but
 but little inferior to Oak bark in
 Tanning. in Gout I have no doubt
 it has done much harm. Stone
 used it in fifty cases of intersting

fever with good effect: he gave from
 ʒi to ʒij. Clopues used it in Tertian
 fevers. Cullen thought it a promising
 Substitute. Berquius thought it not
 equal to the Cinchona. Haller says
 he found it very beneficial in Rickets.
 Mr. Jones has written a dissertation
 on the *Salix latifolia*. —

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Exulus Hypocastanum.

Acute Cheenut. it has been recommended by several respectable writers. Cuspin thought it superior to the Peruvian bark. this gentleman gave $\frac{1}{2}$ xij between

3 paroxysms and cured the patient.

he relates 12 Cases of its curing. it might be resorted to in stead of the bark.

it is a Tonic and is sometimes

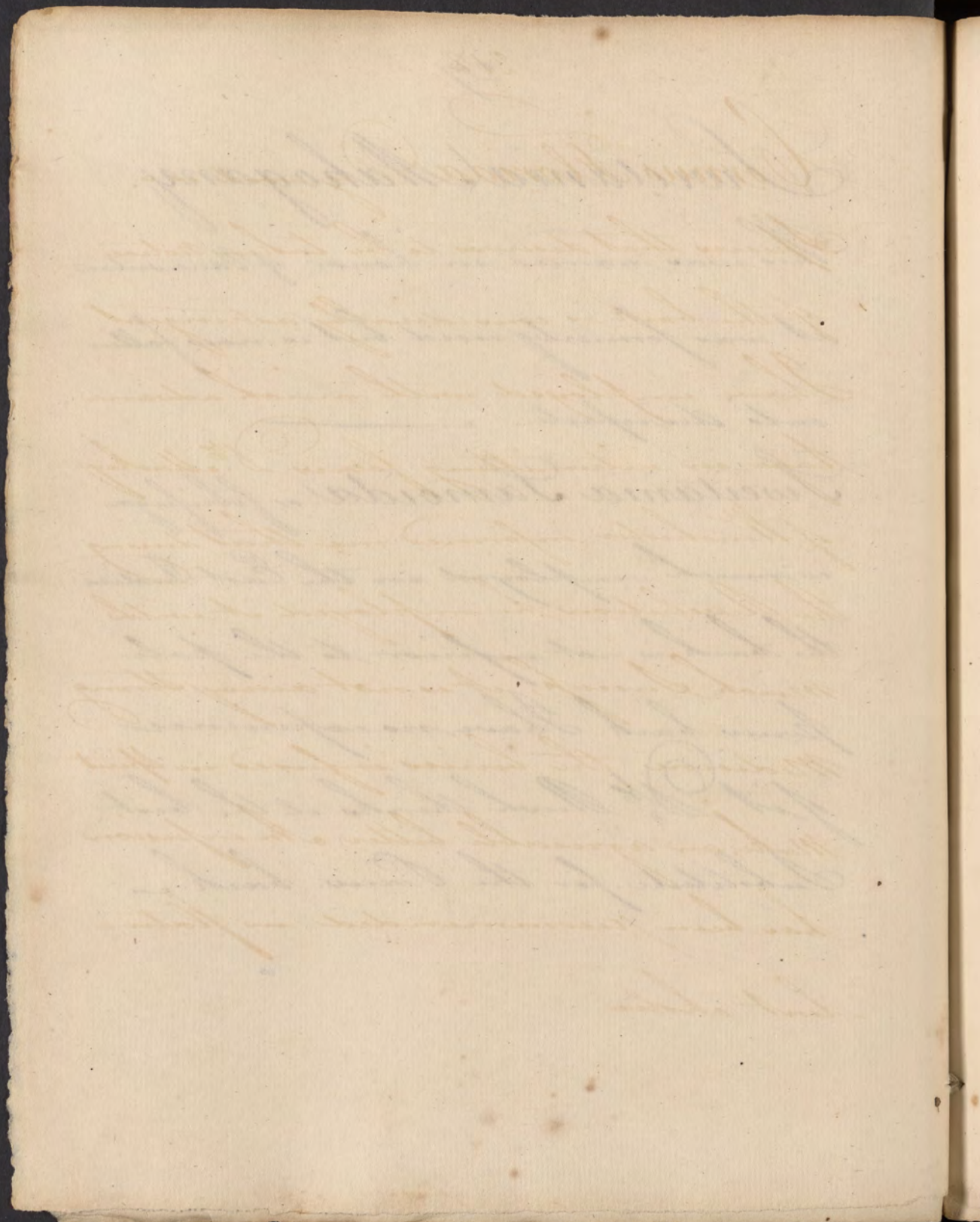
purgative. there is a species the *Exulus flava* or Buck-eye which is said to vomit.

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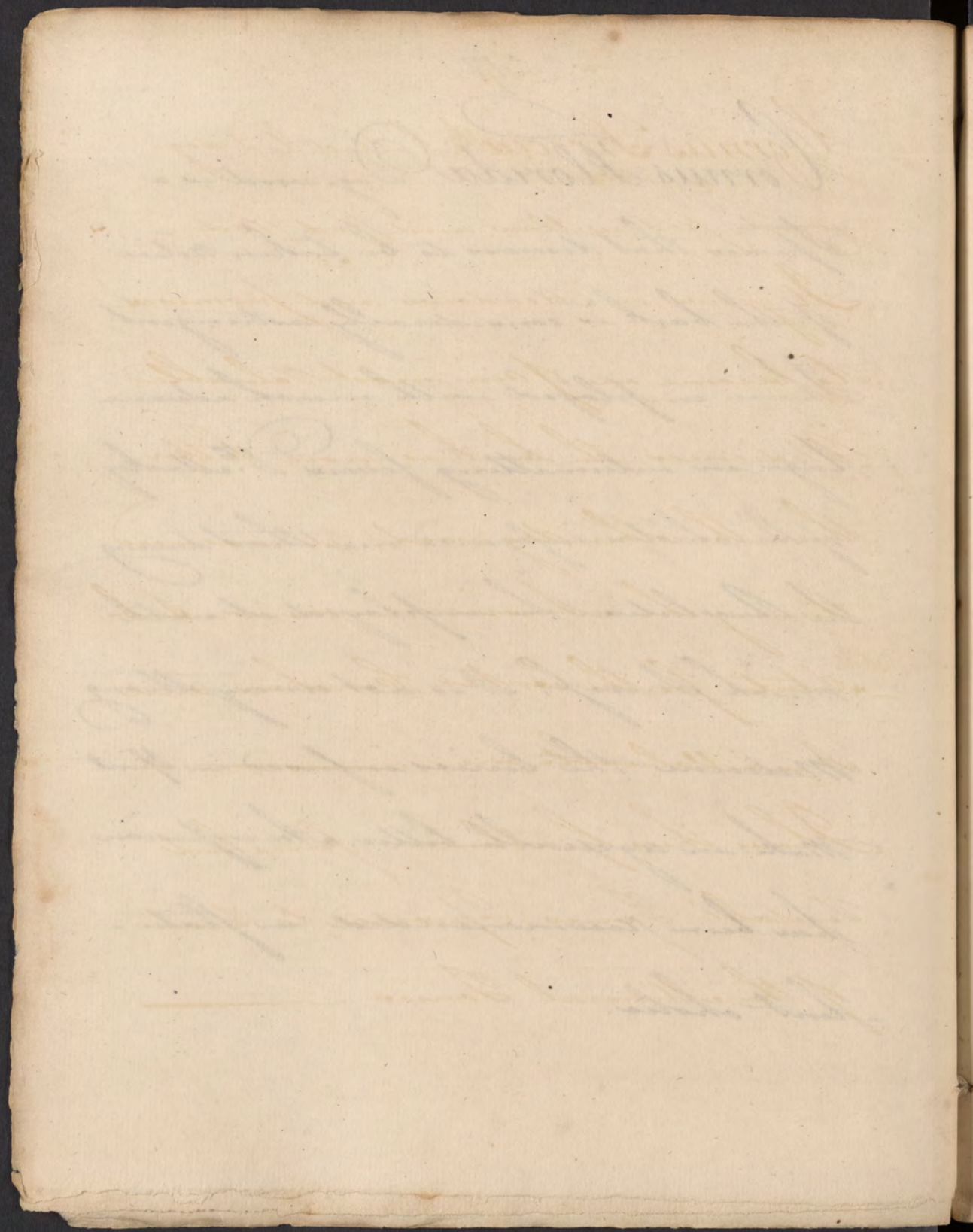
Sweetania Mahogany.

This was named in honor of Vanswieten.
it was formerly used but is now fallen
into disrepute. —

Sweetania Samoida. or *febrifuga*
is much employed in the East Indies
the bark is not inferior to the pale
Peruv. bark. I have no experience
of it. Dr. Rush thinks it the best
Substitute for the Peruv. bark. —



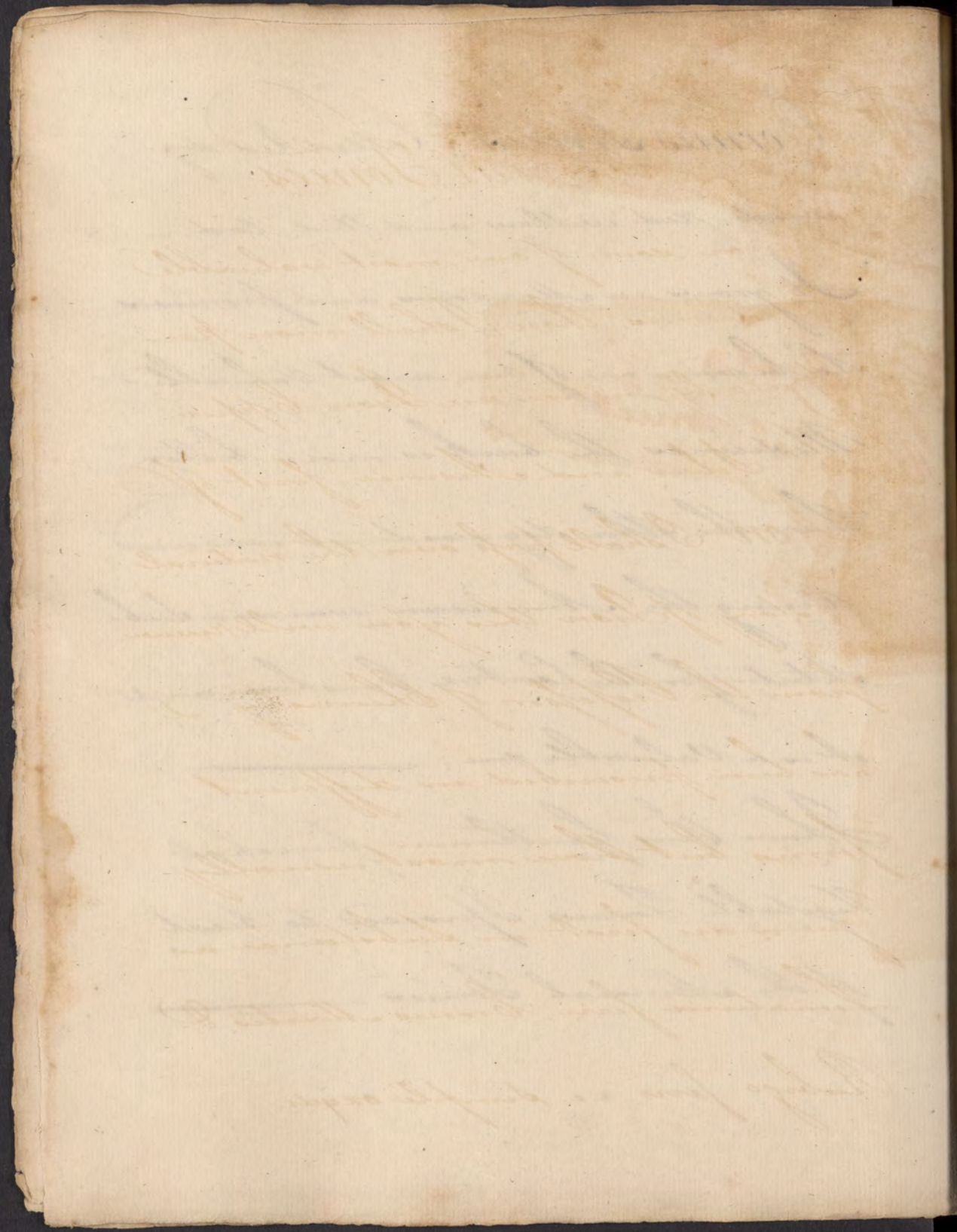
Cornus Florida. Dog-wood is a
 Species that deserves to be taken notice
 of. the bark is considerably astringent.
 I have employed with much advan-
 tage in intermitting fevers. Dr. Massey
 of Winchester informed me that during
 the Revolution he employed it with
 much Success; it is not a very strong
 Medicine. the berries infused in Spirit
 Make an agreeable bitter. An infusion
 has been recommended in flatu-
 lent cholica.



Cornus Sirecia Called Red dog-
wood, red willow and Red Rod. —

It grows in Meadows and promises
to become one of our most valuable
Medicines. the bark is more bitter
than the other dogwood. it was used
during the American war as a sub-
stitute for the Cortex Cinchon: and
it is a valuable one. —

I have thus Gentlemen finished
Vegetable Tonics. I proceed to treat
of the Mineral Tonics —



Left B at
Mineral Tonic
Page 220

Left to
O'Brien
Oct 22

Mineral Tonics.

These are some of our most valuable Medicines, those I shall more particularly notice are Iron, Copper,

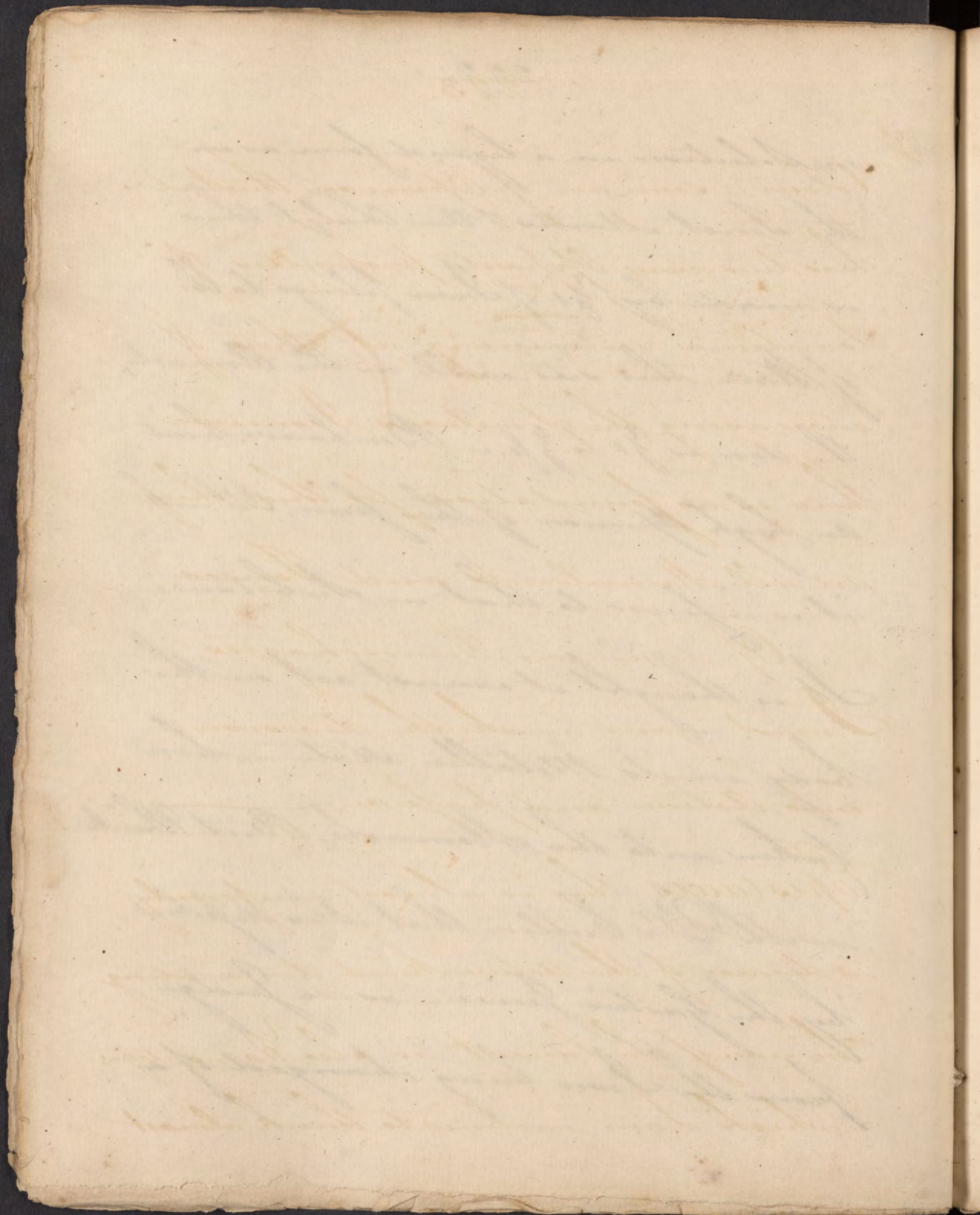
Tin, Silver and Arsenic. first of

Iron I shall pass over the natural history of Iron this you will receive from the Professor of Chemistry. it has been prescribed in different forms but those most usually given are first in substance as *Limatura ferri*, *Crocus Martis* & *Rubigo ferri*. i.e. simple oxyds.

2^d When it is reduced to a Salt or Mix'd
 with foreign Substances as in Sulp. acid.
 Ferri Tartarical or Tartar Martialis this
 is formed by dissolving Iron in white
 Tartar. I have never used this preparation
 but is an excellent one. Flores Martiales.
 this is the Mureate of Ammonia and Iron.
 the dose is from ʒ grs to ʒi. it is best
 given in a Bolus, otherwise it is apt
 to nauseate the Stomach. Boerhaave
 thought it Diuretic Sudorific & Anodyne
 I think we have reason to doubt
 its Anodyne property. 3^d Iron held

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in Solution in a liquid form as in
 the Tinct. Martis & Vin Chaly, this
 is made by $\frac{3i}{4}$ of Iron filings to lbs
 of Wine. this sits well on the Stomach,
 the dose is $\frac{3i}{4}$ to $\frac{4}{5}$ ss. — Boerhaave had
 an high Opinion of this form, I think
 it is inferior to that in Substance.
 It is thought it cannot act on the
 body in its Metallic state when
 taken into the Stomach, But I think
 with Dr Cullen that it is dissolved
 by the gastric Juice — as we judge
 from the Iron being changed of a



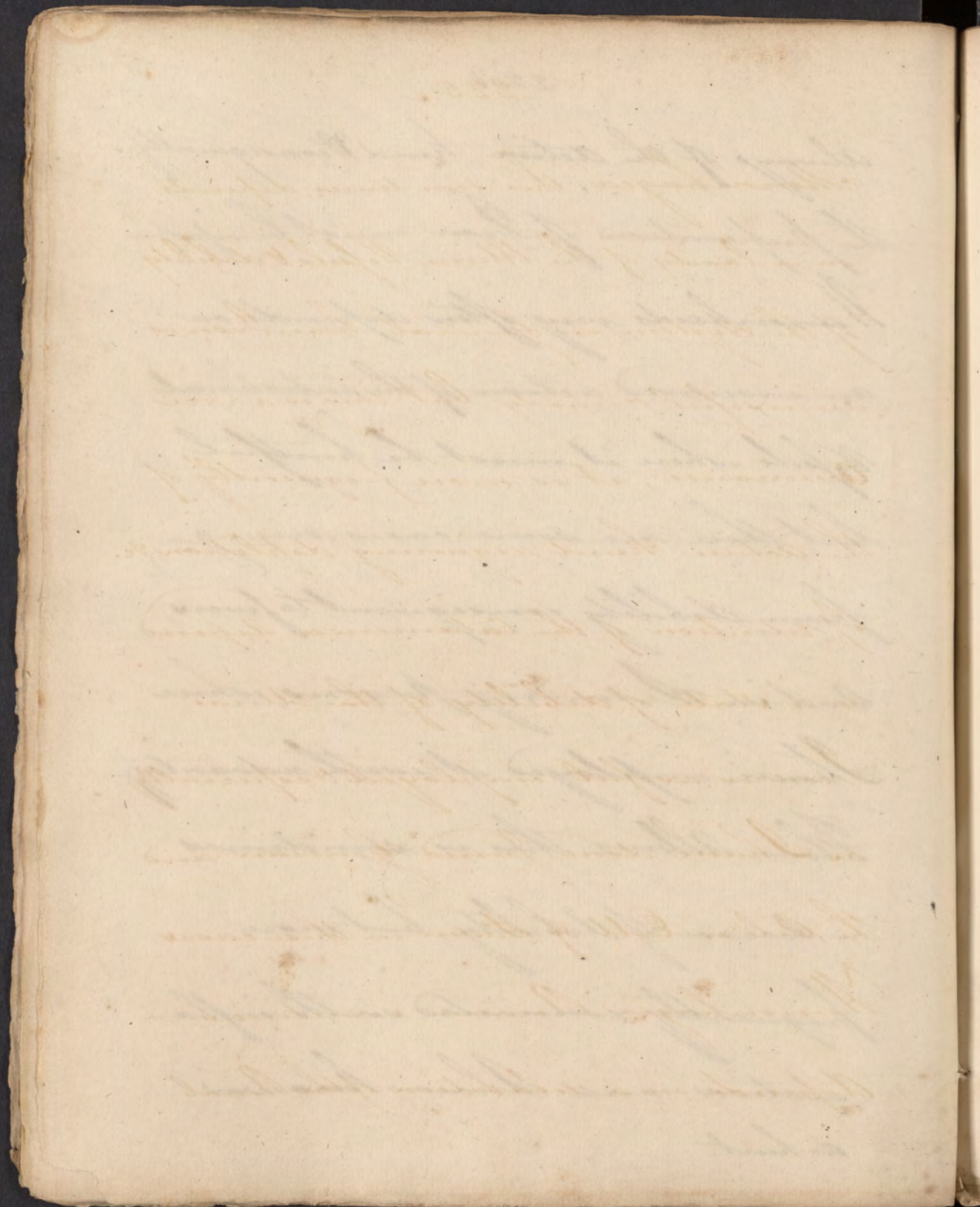
Colour.. some are of Opinion that it has two very Opposite properties of Sometimes restraining, at others of increasing the Secretions. I conceive there is no foundation for this, they are all Stimulants and Tonics.

Of its use in Hemorrhages.
I must again make the division into Active and passive. —

Epistaxis. this is almost uniformly a disease of the Active kind demanding the use of the lancet; as also Hemoptyses which I am inclined to think almost

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always of the active kind & consequently
 the preparations of Iron must be improper
 Hemorrhoids very often depends on
 an increased action of the intestinal
 Vessels where it must be hurtful,
 but there are some cases arising
 from debility consequent to fevers,
 and in Seditary persons where
 I have employed it with advantage
 Flour Album. this is sometimes
 a disease of debility but more
 frequently connected with infla-
 -mation, and I have known
 do hurt.



Menorrhagia, this sometimes depends
on a laxity of the Uterine Vessels & debility
of the System in General, here Iron is
an useful remedy but this is a rare
Occurance, it is more frequently of
the Active kind requiring depletion &c.

Retention of the Catamenia, depends
on a state of debility of the Uterus
Iron is useful employed & especially
as I have done. Joined Gentian and
the Oil or Elix of Savin in these cases.

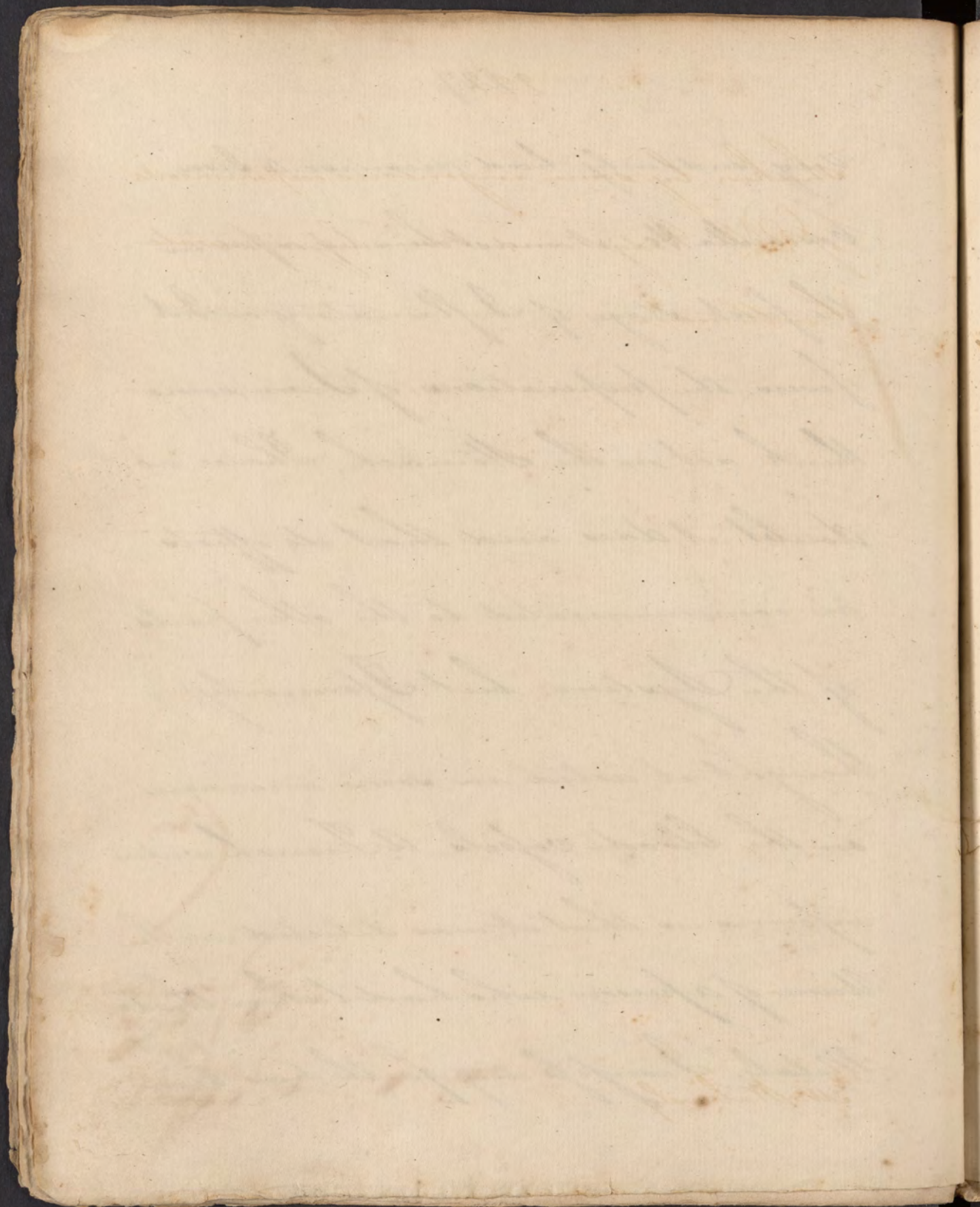
Hæmorrhagia Anum. sometimes
depends on a relaxation of the Anal

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Vesels and is attended with no
 pain and here the Iron is used
 with advantage Glects. I have used
 it here with the greatest advantage,
 Glect is frequently affection and
 will not always yield to Topical
 Remedies but I have rarely failed
 to cure them by employing it cons-
 tantly for a great length of time.
 Fevers. The Stahlians supposed
 that some morbid matter was
 to be expelled; and from observing
 that the Cort. Peruv. stoped the paroxysms

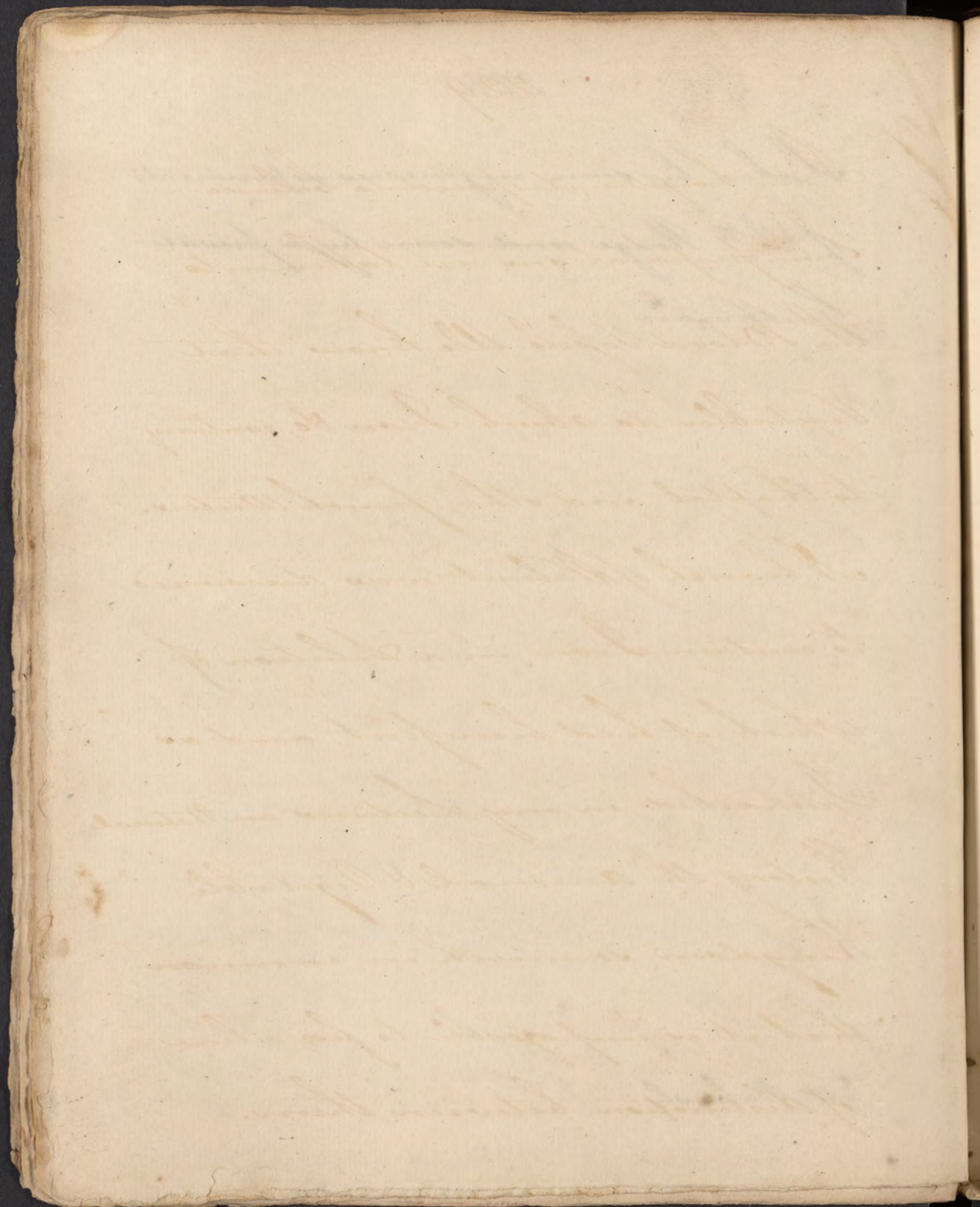
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Very suddenly had recourse to Iron,
 Cascarella &c. it must be improper in
 the first stage of Inflammatory or Int.
 fevers. the preparations of Iron some
 think act on the Stomach, I have no
 doubt it does and that its effects
 are communicated to the other parts
 of the System: but I formerly
 thought it acted in some measure
 on the blood-vessels. A French writer
 informs us that it was detected in the
 Urine of a person who had taken that
 Metal. I confess my faith has been



shaken by some ingenious experiments
 of Dr. Hodge and some by a private
 Gentleman*

*Mr. Walmley.



I am however disposed to believe
 some preparations are taken into
 the Blood Vessels. We know that
 Vegetables do absorb Iron &c. contrary
 to Chaptal and other french Writers.
 A branch of Walnut was discovered
 to contain Iron in a Solution of
 which it had been put, and as
 I marked in my Lectures on Natural
 History the animal & Vegetable
 Kingdom so much in common
 that it is impossible to fix a line
 of distinction between them.

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

and as Vegetables do absorb we from analogy infer the same in Animals. Dr Cullen its good effect have been missed by giving too small doses. the Saline are ready to inatate the Stomach. he begins with 5 grs. and increases it to what the Stomach will bear the Stomach bears it better by an Aromatic being joined with it. I have not used it in large doses but have persevered a long time in its use I begin with from 5 to 10 grs. in 24.

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hours. I have given from 12 to 1500 grs. before my patient was cured. the Staleans used the Calx. Cullen the rust and Moore the filings, those ground fine are very active. I generally use the rust combined with Cinnamon which I think an useful addition, it prevents it from running to the bowels. —

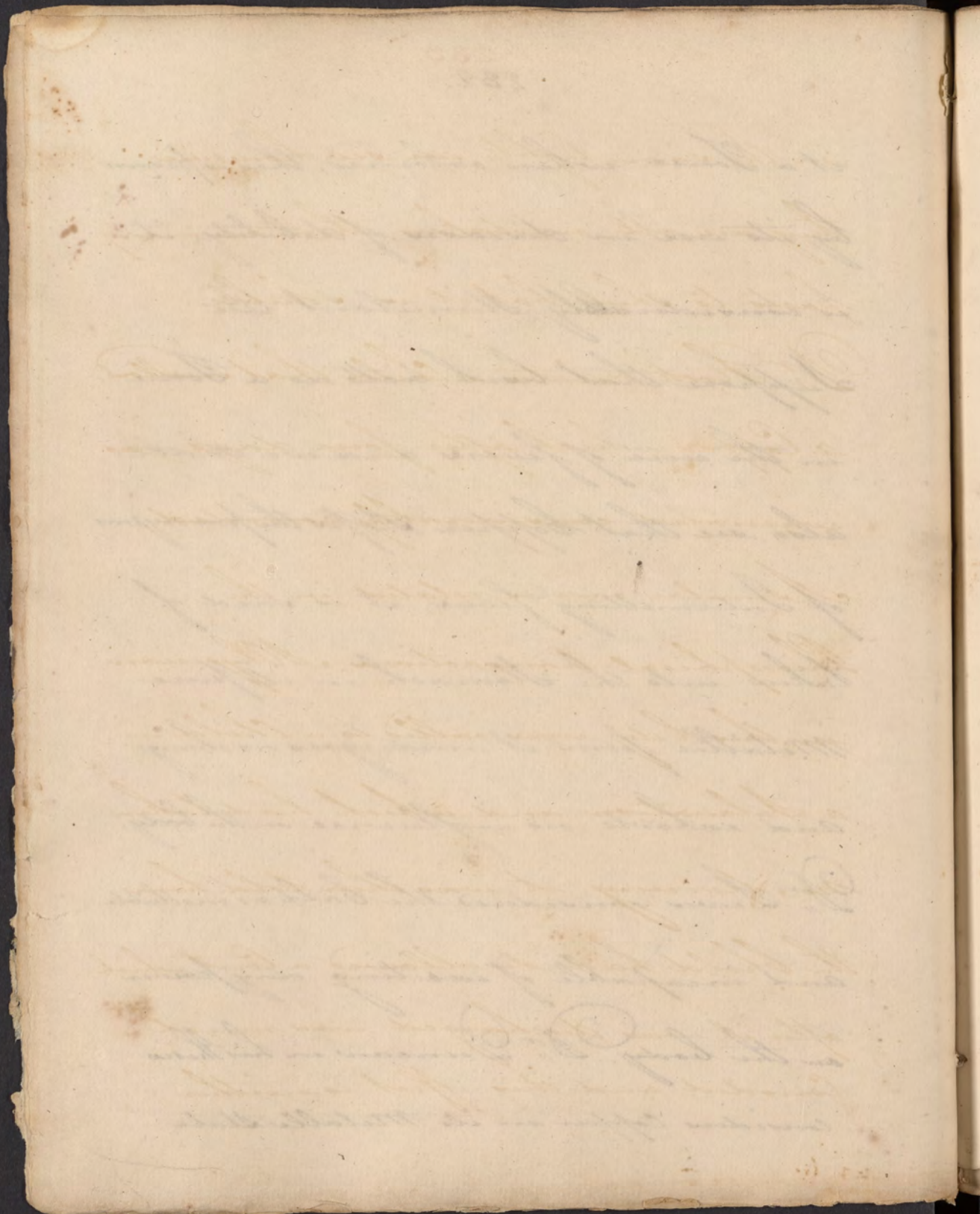
Copper. The natural and Chemical History will receive from Prof. Woodhouse. Dr. Cullen classifies it with the astringents. I have no hesitation in considering

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it a Tonic when calcined, this is proven
by its use in diseases of debility; it
is considerably Stimulant. We

Suppose that bark acts as a Tonic
in the cure of fevers and we shall
also see that Copper stops the paroxysms
of Intermitting fevers, it is said if
taken into the Stomach in its pure
Metallic form it undergoes no change
and exerts no influence on the body.

Dr Lewis considered the Calx as insoluble
and incapable of exerting any power
on the body. Dr Duncan in his thesis
considers Copper in its Metallic state



in the same light, we see however they are all mistaken, there are many facts to shew that it is soluble.

Dr Stork relates a child that swallowed a Copper which after four days was evacuated considerably corroded.

A similar case is related in the Philosophical transactions, A Physician in this City was called to a child in a Salivation and which had taken no Mercury, it was then told him the child had swallowed a Coat, which after it was discharged was much Corroded and this effect is neither

5
1111

slow nor difficult. Copper is soluble
 in the Gastric Juice. the ill effects
 of Copper are many. Pain. Vertigo.
 Paralysis. Hemiplegia, Cholic, convulsions,
 Apoplexy and Costiveness, but frequently
 it Vomits or purges and sometimes
 an exanthematous eruption on the
 Skin. Altho' allowed by all to be very
 deleterious it is wonderful that Men
 employed in Copper Manufactories
 are as healthy as other Men, but
 they are very careful. Too much injury
 I believe is ascribed to Copper.

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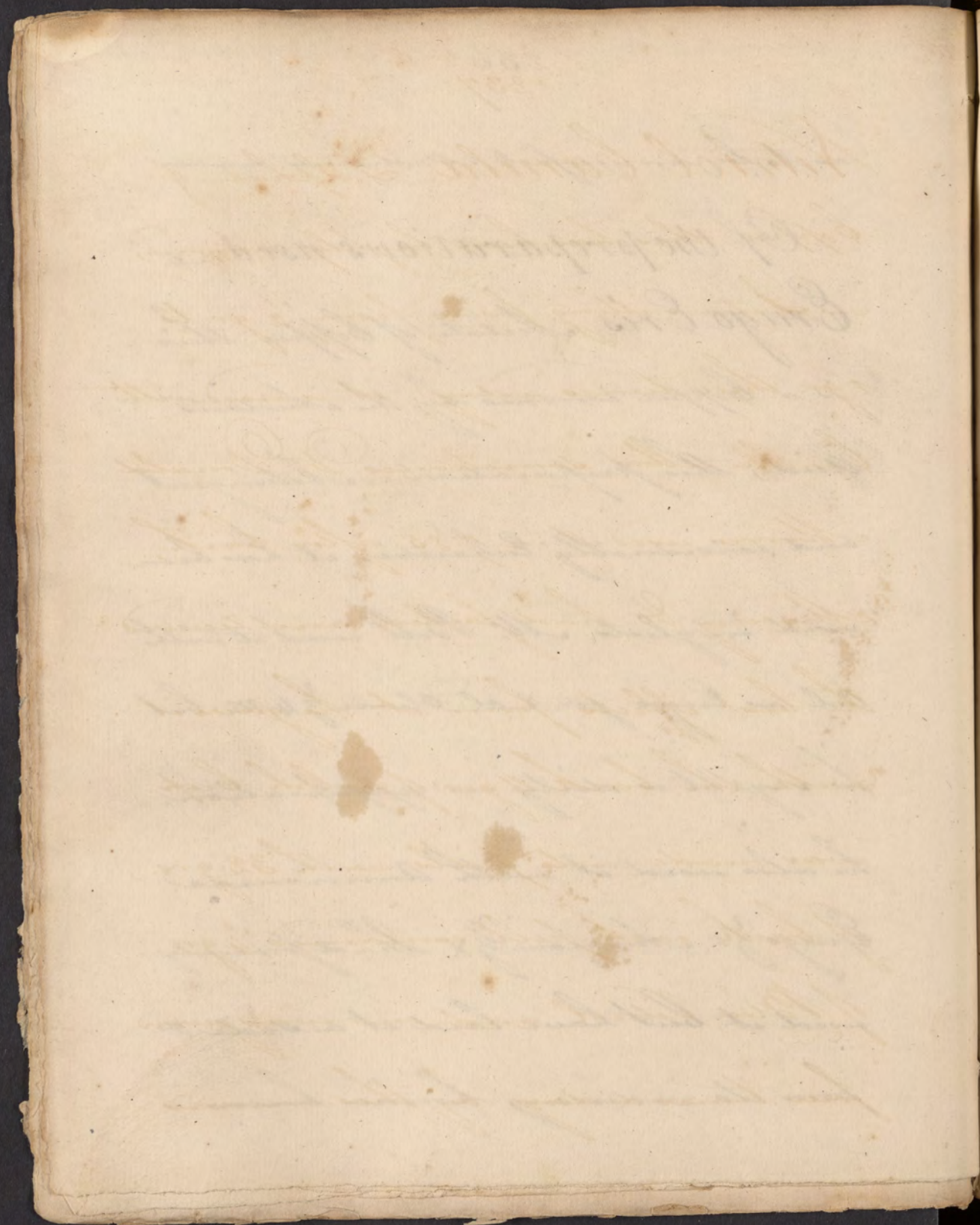
It affects other animals besides man.
 Dogs who eat their food out of Copper
 Vessels are very apt to be affected tho'
 it is somewhat remarkable, ~~tho' is~~
~~somewhat remarkable~~ it does not affect
 birds or poultry in the least, tho'
 their food be made green by means
 of it. We are informed by Pennant
 that the green Water from Copper
 in its Metaller form was formerly
 used in Medicine. it Salivates &
 might be useful employed. it might
 be so managed in its Metaller State

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as to be an useful Medicine. —

Of the preparations used. —

Erugo Eris. Acetate of Copper. this is a Copper corroded by the Acetous Acid; this preparation is Stinging and considerably Echarotic. it has been used in gleet. Mr. Bell used it with Oil as Erugo grs. 8. ol. Olive $\frac{3}{4}$ M. but he says it is dirty in application. — he also used it with Ammoniac. Erugo $\frac{3}{4}$ i. Ammon. $\frac{3}{4}$ x. I had formerly used it but have laid it aside & from its inducing hernia hum.



Vitriol Carula. Sulphate of
 Copper. this has been highly recommended
 in Intermittent fevers from $\frac{1}{2}$ gr. to
 1 gr. three times a day. it is used with
 Canella alba sometimes. Dr. Donald
 Morris used it in 1785. after bark,
 Mercury &c. had failed and received
 the best effects from it. he gave it
 with the bark. 4 grs. of Sulph. Cup.
 was made into pills with 32 grs.
 of bark. each pill contained $\frac{1}{4}$ gr.
 of Blue Vitriol and one was given
 four times a day, by this means

[Faint, illegible handwriting in cursive script, likely a list or ledger entry, spanning the main body of the page.]

he cured a number, the patients all
complained at first of sickness which
was uncommon after the first day.
I imagine Ginger would in some
Measure prevent it. —

Cuprum Ammoniacum.

This is prepared by rubbing about ℥ij
of Blue Vitriol with ℥ij of Ammoniac,
this however you can obtain from
books. it has been much recommended
in different diseases. Epilepsy. there
has I believe been too much ascribed
to Copper but it has doubtless

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

done some good; it must be used in
 very small doses, we begin with $\frac{1}{4}$ gr.
 twice a day, I have myself seen two
 cases cured in Edinburgh and have
 myself perfectly cured one gentleman.
 a Mr. Stewart a member of Assembly
 after Venesection a Salivation and
 other remedies had failed, he took
 350 grs. before he was cured, it had
 not returned at the end of six Yrs.
 Since which I have not heard.
 Dr. Cullen found it more manag-
 eable than the Blue Vitriol.

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

In many he says it proved a cure but in others it failed; if it does no good in a Month, he only gives it before the Paroxysm he had so much confidence in it that he continued it to the last. its good effects do not always immediately appear, it must sometime be continued a length of time Dr Bullen fears of ill effects from its accumulations in the bowels are ill founded, we have heard the same stories of lead but experience shows when properly

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page. The text is arranged in approximately 12 horizontal lines.]

Exhibited no ill effects arise from either.
It is a Valuable medicine and is
best given on an empty stomach.

Dropsy. it has been used in Dropsy
and a London Physician asserts
it is diuretic. I should think
Boerhaave used it in Ascites & cured
the patient. he says it was diuretic.
Worms. it has also been used as an
Anthelmintic and has been said
to kill worms. it may act two
ways 1st first as a poison 2^d as a
Tonic.

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Dr. Cullen says the effects of Copper and Mercury are extremely Analogous and indeed in some respects their Effects are somewhat similar as on the Salivary glands and Absorbent System. it is an Escharotic and has been used in foul Ulcers.

Since introduction of Mercury it has been so generally used that Copper is less employed; it is too much neglected in Ulcers of the Scrophulous kind it is used with much advantage. In Venereal Chancres

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

if the ulcer is clean it requires none
but mild applications, but if foul
or Slaughtery, it is found useful
from 2 to 20 grs. of Cup. Acet. dissolved
in $\frac{1}{2}$ l. Aqua & applied with a pencil.

It has been used in affections of
the Eyes. it is very iritating and
I think liable to prove Injurious.—
Dr Cullen says a milder preparation
is the Ag. Sapphar. —————

I shall now make a few
Remarks on Silver. —————

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Argentum Nitralum. This is made by dissolving silver in the diluted nitric acid. this preparation has long been employed by Physicians for taking down fungus flesh in Ulcers and it is likely to continue in general use. Eversham speaks in high terms of it in indolent Ulcers of the legs: it was much used by Rome there are three kinds of Ulcers where it may be employed 1st Leprous. 2^d Ulcers from Buboos and 3^d Ringworms. I have long been in the habit of using it in

a diluted state and applying it to
 Ulcers with a pencil, it causes some pain
 which may be relieved by dipping
 Another Pencil in Water and touching
 the Ulcer which if applied otherwise
 the pain cannot be alleviated. Much
 advantage is received from this in
 a short time. In cases of Ring-worms &c.
 the preparations of Silver are preferable
 to any thing else. — It was first recom-
 mended in Epilepsy by Dr. Simon
 who remarked that at first it some-
 times aggravated the disease and then

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

cured it. Dr^o Wilson used it with great advantage. he gave $2\frac{1}{2}$ grs. thrice a day. Calf cured several cases completely, with him it purged Wilson mentions bad effects from it. I believe it cannot act by purging, a case of Angina Pectoris was cured by it without its purging and it is often necessary to give Aloes to keep the Bowels open I have had very little experience myself but from the experience of others, it appears intitled to your attention, I have only used it in one case in the Penns^a.

12

My dear Mother

I received your letter of the 10th inst. and was
glad to hear from you. I am well and hope
these few lines will find you the same. I
am not at home at present but I will write
you again as soon as I can. I am
very affectionately yours
Your son
John

Asopital in doses of 1 gr. to 3 grs. it produced
 a purging and had the remarkable
 effect of bringing away a great number
 of Ascarides. it did not prove of any
 service in this instance. I may remark
 that Epilepsy seems to depend on
 two very Opposite causes, one requiring
 Phlebotomy. the Tonics are useful when
 this is necessary: the other Tonics are
 of great advantage, such as Cupr. Ammon.
 Aatic. Stramon. &c. I am so firmly
 persuaded of the use of Tonics in Epilepsy
 that I should as soon complain of the

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Cort. Purv. in Intermitting fevers,
 hence the reason why Physicians
 differ so much as to the remedies.
 If we can place any dependance
 on the Experiments of Svediaur
 we are led to believe that it is taken
 up by the Lacteals. —

Sim. this was much thought of
 by the Physicians formerly, but
 it is now much, perhaps Justly
 neglected. Dr. Lewis asserted that
 Sim contained a portion of Arsenic;
 this is denied by Dr. Austin in his

Dear Sir
 I have the honor to acknowledge the receipt of your letter of the 14th inst. in relation to the
 matter of the estate of the late John Smith deceased and in reply to inform you that the same
 has been forwarded to the proper authorities for their consideration and that you will receive
 their decision in due season. I am, Sir, very respectfully,
 Your obedient servant,
 John Doe
 Attorney at Law
 New York

Materia Medica, as he could not
 detect it and he gave it without any
 bad Symptoms ensuing. I am inclin-
 ed to believe if any it contain so little
 as to have no effect. it has been
 said it was soluble in the Gastric
 Juice, it does not act powerfully,
 yet we have reason to believe it
 has some action, tho' there are not
 so many facts to prove as with
 Iron and Copper. it has been
 used as an Anthelmintic. Dr
 Austin in the Edinburgh

Medical Essays for 1730. says it
 deserves to be called a Specific, he
 used the powder from ʒs to ʒi. it
 has been said to cure Epilepsy.
 Dr Donald Monro cured four or
 five cases but he says they depended
 on Worms as they were discharged
 by purges: it is my Opinion that
 its good effects depend entirely
 on destroying worms which
 frequently are the remote cause
 of this disease. Dr Cullen has

My dear friend
I have just received
your letter of the 10th
and am very glad to hear
from you. I am well and
hope this finds you the same.
I have not much news to write
at present. I am still
in the same place and
doing the same work.
I have not much time
to write at present.
I must close for this time.
I will write again soon.
Yours truly,
Wm. Lloyd Garrison

entirely omitted it in his *Materia Medica* and perhaps Justly.

As a Tonic it is a very feeble medicine but as I cannot deny the authority of these great names I must believe it a valuable worm Medicine.

its *modus Operandi* in destroying Worms I suppose is purely Mechanical; this proved by its having no Action in an insensible powder. it does not as Dr. Moore supposes act a Tonic. —

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Lead. I proceed to treat of lead;
 I was at a loss where to speak of it,
 Dr Cullen has arranged it with
 the Astringents and with no great
 impropriety, I shall however
 treat of it with the Tonics. In
 treating of it I shall mention
 the preparations made use of
 2^d the Modus Operandi. 3^d its
 use in disease. with the Acetous
 acid we procure two different
 Substances the white lead and

the Sugar^d Lead. I believe the latter
 is now the only preparation used
 internally. the extract of lead is
 formed by boiling Vinegar & Litharge.
 it is recommended by Mr. Goulard
 as better than any other but it
 differs little from the Sacch. Saturn.
 this Metal is easier calcined than
 any other. None of the preparations
 made by fire are taken internally
 but are used externally. Boerhaave
 says it brings on Consumption of

The first of these is the
 fact that the population of
 the country has increased
 in a very rapid manner
 since the year 1800. This
 has been the case in all
 the civilized countries of
 the world. The reason for
 this is, that the means of
 subsistence have been
 multiplied in a great degree
 since that time. The
 cultivation of the soil has
 been improved, and the
 arts of husbandry have
 been brought to a high
 state of perfection. The
 discovery of steam power
 has also contributed to
 the increase of the
 population, by enabling
 man to overcome the
 resistance of nature, and
 to multiply his means of
 subsistence. The result
 of all these causes is, that
 the human race is now
 multiplying with a rapidity
 which was unknown in
 former ages.

the lungs and other trouble symptoms.
 Mr. Aiken supposes the preparation
 of lead never enter the system but
 I am led to believe they are sometimes
 absorbed, one of the most dreadful
 effects of it is to induce Cholera
 pictonum; for an ample definition
 see Cullen's Nosology which some
 times terminates in Palsy. I however
 doubt whether it is always brought
 on by lead but I believe the most
 common cause. it frequently induced
 by drinking Wine Cider &c. which

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

have passed through leaden pipes or been
 adulterated with Pilchard &c. we know
 that lead may be taken in very large
 Quantities without inducing any
 bad consequences so that as I said
 before Cholera pictorum is owing
 to other causes, Cholera was once common
 in Amsterdam from the leaves of trees
 falling on houses covered with lead
 which they corroded, this was washed
 into the Cisterns and drank. it has
 made its appearance in many parts

The first thing I did
 was to go to the
 office and see
 what was going on
 in the morning
 and then I went
 to the bank and
 saw the manager
 and he told me
 that the money
 was all right
 and that I could
 have it when I
 wanted it. I
 then went to the
 office and saw
 the other people
 and they were
 all very kind
 and helpful. I
 then went to the
 bank and saw
 the manager and
 he told me that
 the money was
 all right and
 that I could have
 it when I wanted
 it. I then went
 to the office and
 saw the other
 people and they
 were all very
 kind and helpful.
 I then went to
 the bank and saw
 the manager and
 he told me that
 the money was
 all right and that
 I could have it
 when I wanted it.
 I then went to
 the office and saw
 the other people
 and they were all
 very kind and
 helpful. I then
 went to the bank
 and saw the
 manager and he
 told me that the
 money was all
 right and that I
 could have it
 when I wanted
 it.

of Pennsylvania which arose from
 using Apple-butter. it is very common
 in the Cider Season. it is not uncommon
 among painters & Glaziers
 are Subject to it. Sometimes the
 handling produces a Rheumatism
 of the Wrists and Palsy of the Arms,
 this I have seen in Painters and
 Glaziers, a Cure is sometimes
 obtained by Abstaining from
 the work. D. B. Rhurro was inform.

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

4

that in the Mines in Sweden previous to 1764. it was very common for the men to be replenished every five years. A Quack advised the man to take every morning Bread & Butter or Oil which prevented it by blunting its Action on the Stomach; from this hint I advised a Potter in this City to follow the practice and he informed me he always prevented it in his hands by taking Soup in the Morning before

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

he began to flaze. the cure consists
 in keeping the bowels freely open
 bleeding being seldom necessary,
 but sometimes the pulse is full
 when it is useful to bleed. Attend
 to this for Cullen says it is not a
 fever Cream or tartar was used by
 Dr. Cadwallader; the Oil Ricini
 is a valuable purge which I prefer
 or Calomel. it is sometimes
 necessary to give Opium when the
 pain violent but it is best to give

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

it only after purges &c. Stone says however
 that Opium purges, because the bowels
 are in a torpid state and the Opium
 causes them into action. the Warm &
 Cold bath to the feet, Sympie founders
 have Rheumatism in their wrists
 as well as Pottus. these effects do not
 arise from large doses as when from
 accident $\mathfrak{z}\text{i}$ or $\mathfrak{z}\text{ij}$ are taken, it is the
 effect of small doses frequently
 repeated; large doses sometimes
 vomit and purge, it has been

[Faint, mirrored handwriting, likely bleed-through from the reverse side of the page. The text is illegible due to fading and mirroring.]

used in Inflammation; in Injection
 to sores and to the Eyes. it is found
 of much advantage to inflamed
 parts as in Erysipelas. I think
 it very seldom does harm. Dr
 Cullen says it induces mortification.
 Dr Darwin say lead water
 applied to Erysipelas or Gangrenous
 legs which have a tendency
 to Mortification is more efficacious
 than any other: it has been used
 in burns but should not be used

[Faint, illegible cursive handwriting, likely bleed-through from the reverse side of the page.]

on a large Surface at once it is used
in combination with Mercury with
much Advantage in the Scrophulous
Ulcers of Young people but always
does harm in Old.

On the internal use of *Corus. Acit.*
Epilepsy. this was recommended
220 Years since the Germans have
used it from the time of Sackerus even
to our times. Dr. Rush has used
it in our Hospital with advantage.
I have used it myself also with advantage.

[Faint, mirrored handwriting, likely bleed-through from the reverse side of the page. The text is illegible due to fading and mirroring.]

It has been used in Chorea a disease
 nearly allied to Epilepsy with some
 Success. it has been recommended
 in several other diseases as Mania.

Portulaca L. I have no experience
 of it in those diseases. Huntermark
 in 1700. said it moderated the Activity
 of Inflammatory diseases. A Physician
 in Pennsylvania has used it with
 a poisonous plant the *Nalmia*
Latifolia with great success in
 Inflammatory fevers. Almost

My dear friend
I have just received
your letter of the 11th
and am very glad to hear
from you. I am well and
hope this finds you the same.
I have not much news to write
at present. I am still in the
same place and doing the same
work. I am very busy at
present and cannot write
much more than a few lines.
I will write again when I
have more time. I am
very truly yours,
John Smith

fear to tell you with success, but an
 access of Timidity is probably worse
 than boldness. he used in Phtthisis &
 cured four cases out of Seventeen
 which is I believe as much as is
 done by any other Remedy, but he
 failed if the Suppuration had
 gone far: one of the principle effects
 of Sal. Saturn when taken into
 the Stomach is to reduce the
 force and frequency of the pulse.
 Knowledge of this induced Dr.
 Reynolds Physician to King Geo. 3.^d of

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

England to use it and it succeeded
 to his most sanguine expectation.
 In a letter to Sir Geo. Baker he
 has recommended it in a thin
 Hemorrhagy which had reduced
 the strength of the patient
 he used the Tinct. Saturn with Opi
 and cured her by it, he used it in
 Hemoptysis in doses of 1 to 1½ grs
 with Opium. he says the bowels
 were kept open without any
 purgative. he used it in Epistaxis

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

with great advantage $1\frac{1}{2}$ gr. every
 six hours with four drops Tinct. Opi.
 which cured in one week. I was
 lately called to a black man labour-
 -ing under the most active Eristaxis
 I ventured on a large dose of δ grs.
 And one Opii and it stoped
 it in a few hours. the patient
 was not hurt from the large
 dose: its effects are instantaneous.
 I know of none that operates so
 quick, I can recommend it as

[Faint, mirrored handwriting, likely bleed-through from the reverse side of the page.]

one of the most important of the
Materia Medica. — I can enter-
 tain no doubt it is much less
 dangerous than people imagine
 I have seen it of manifest advan-
 tage in Hemorrhages. the first
 case I used it in was Diarrhoea,
 it checked it in a short time. —
 Hemoptysis. In one case there was
 near a gill I suppose from the Anus
 besides the Spitting, it checked the
 discharge immediately; one case

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

where bleeding &c. had failed with
 low pulse I ordered Sal. Saturn & Gum.
 arab. ℥i. f. dos. x. - by taking five powders
 the disease was cured. I have used
 it in several cases of uterine Hemorrh-
 -hagy and I can say that in no instan-
 -ce has it failed to do good - in no
 instance has it done harm and
 very often cured. in one case it seemed
 to operate as a laxative. I have so
 much confidence in this medicine
 in the cure of Hemorrhagy that I
 would never delay the use of it in

any case which was in any degree dangerous but use it immediately. Sometimes after 4 or 5 grs. have been taken all the symptoms will disappear.

Modus Operandi. I have no doubt it is by reducing the pulse like bleeding and *Digitalis* as it is found most useful in Hemorrhages of the active kind but I cannot think this is all for first as it is more successful than bleeding and purges which reduce the pulse quicker. *D. Digitalis* which reduces the pulse more than

184
The first of the month
I received from you
the sum of £100
which I have now
paid to the bank
in full of the
account of the
year 1843
I am, Sir,
Yours faithfully,
J. B. Smith

Lead is not so useful. 3^d In flour
 albus where bleeding is not necessary
 lead is useful. it cannot be by
 Reducing the pulse. Ol. Turb. is found
 useful. for some valuable information
 I refer you to Dr. Semmes Inaugural
 Essay. he found its primary operation
 Stimulant but I do not consider
 this an Objection to its use, its
 Stimulating effect is extremely
 transitory and would not prevent
 me from using it in active Hemor-
 rhagy. Jan'y. 11. 1803. Gonorrhea the

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Sacch. Saturn. I have used internally
 in three or four cases of Gonorrhea but
 I would not recommend it where
 the disease will yield to injections.
 I have used it with much advantage
 in a case of Virulent Gleet. it is
 used in injections. I think often with
 Hunt in Philadelphia. the Sacch.
 Saturn is to be preferred to the Vinegar
 of Litharge. it is often used with
 Sulph. Zinc which I think succeeds
 better than either separately. the
 proportion is Sulph. Zinc.

My dear Mother
I have just received
your letter of the 11th
and was very glad to hear
from you. I am well and
hope this finds you the same.
I have not much news to write
at present. I am still in the
same place and doing the same
work. I hope to hear from
you again soon. I am
your affectionate son,
John Smith

271.

6 grs. Cereus. Acetat 4 grs. Ag. corn $\frac{1}{2}$ x.

Tetanus from the late Mr John Hunters
idea of Tetanus^{*} he has proposed giving
Sacch. Saturn while his patient was
in an Ice house. I should not be
willing to try it but cannot say
it would do harm. the dose of lead
must always be regulated according
to the Nature of the disease and the
age of the Patient. we begin with
2 or 3 grs. twice or thrice a day
with a little Opium. it is my Opinion
that Opium prevents any bad consequent.

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

from the use of lead, when given
 with digitatis much larger doses
 may be taken without producing
 any bad consequences. the largest
 I have ever given as I said before
 was in a case of Epistaxis of 8 grs.
 with 1 gr. of Opium. much larger
 doses have however been used by others.
 The late Dr. Jones of this City gave
 it to a lady with Hemorrhagia
 Uterina and himself and attendants
 ascribed the complete cure to that dose.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

I have heard of 36 grs. being given
 in 24 hours. I have gave it in large
 doses where bleeding is of no advantage
 a dose of 5 grs has often effected a cure.
 if after using it 3 or 4 days it is not
 of use, I desist for as many and then
 resume the use. I cannot think there
 is any such thing as Specifics; but
 I say I think the Sacch. Saturni is
 Nearer in Hemorrhages, than any
 thing else, I have often used it when
 every thing else failed. Dr. Lard. Diffild
 used a very large dose of lead in Tetanus
 but the patient died.

1790
The first of the year
was a very dry one
and the crops were
very poor. The
winter was also
very dry and the
crops were very
poor. The spring
was also very dry
and the crops were
very poor. The
summer was also
very dry and the
crops were very
poor. The autumn
was also very dry
and the crops were
very poor. The
winter was also
very dry and the
crops were very
poor. The spring
was also very dry
and the crops were
very poor. The
summer was also
very dry and the
crops were very
poor. The autumn
was also very dry
and the crops were
very poor. The
winter was also
very dry and the
crops were very
poor.

Journal

I have been thinking of you
 and of the many things
 which have happened since
 we last met. I have been
 very busy, but I have
 not been able to write
 as often as I should have.
 I have been thinking of
 you and of the many things
 which have happened since
 we last met. I have been
 very busy, but I have
 not been able to write
 as often as I should have.
 I have been thinking of
 you and of the many things
 which have happened since
 we last met. I have been
 very busy, but I have
 not been able to write
 as often as I should have.

1810.

My dear Sir,

I have the honor to acknowledge the receipt of your letter of the 10th inst.

and in reply to inform you that the same has been forwarded to the proper authorities.

I am, Sir, very respectfully, your obedient servant,

J. B. [Signature]

Enclosed I have the pleasure to send you a copy of the report of the committee.

I am, Sir, very respectfully, your obedient servant,

J. B. [Signature]

I have the honor to acknowledge the receipt of your letter of the 10th inst.

and in reply to inform you that the same has been forwarded to the proper authorities.

I am, Sir, very respectfully, your obedient servant,

J. B. [Signature]

Incitants.

I now proceed to treat of Stimulants; the Incitante of Dr Darwin. there is little difference which term is used, they both mean the same thing. I have preferred the term Incitante as it has not been so much abused as the other. there have been no articles arranged under the incitante but what might with propriety.

The Incitants are according to Darwin those things which increase

1811

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

the exertions of the iritative motions
 as Alcohol, Opium and many drugs,
 to these should be added the exhilarating
 Passions as love and Joy. and externally
 heat electricity, friction &c. they promote
 the Secretions and excretions, increase
 the natural heat and remove pains
 arising from defect of iritative motions
 termed Nervous. Internally they
 induce costiveness and deep color'd
 urine, I have nothing new to say
 on this Subject and must refer

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

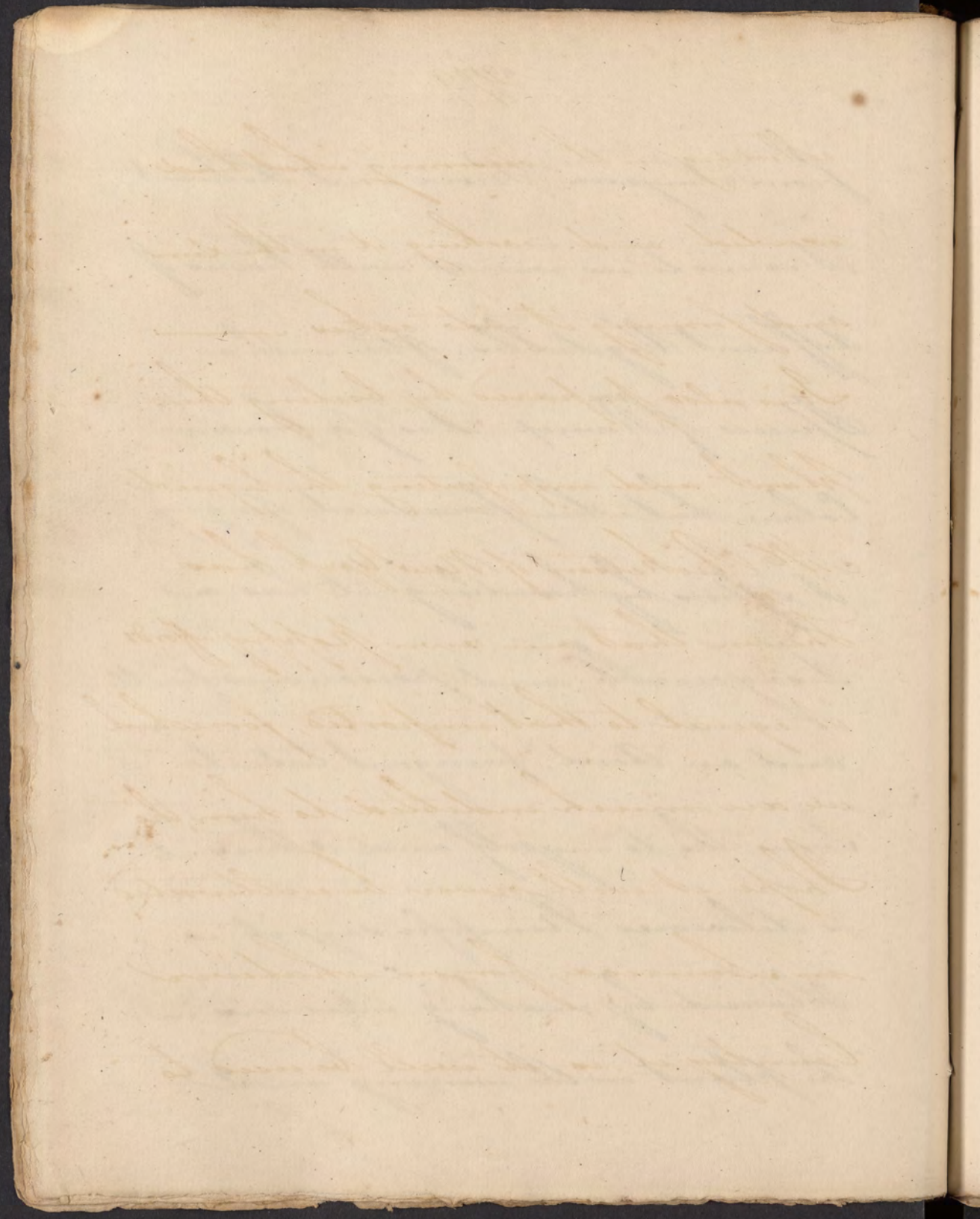
You to Darwin's *Loonomia*. —

The first article I shall notice is
Opium. I place *Opium* at the
 head of my tho' not because I think
 it the most powerful. it is a power-
 -ful and universal Stimulant, we
 are all acquainted with its effects.
 it is the produce of the *Papaver*
Somniferum. of *Linneus*. the white
 poppy of our gardens the best
Opium was for a long time bro't
 from Egypt. the *Officinale* is

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

from Smyrna, Persia and the Levant.

it comes to us covered with leaves of
different Vegetables; often with a
Species of Rumex: it is of a brown
Colour but when powdered of a grey,
it softens by handling. it has a
disagreeable and poisonous smell
and an Acid, purgent taste to
some, tho' to myself and others it
is delicious. Kempter says it is
Obtained by making incisions in
the plant in the evening and



collecting in the morning what had
exuded; and working it in the sun
and forming it into cakes. —

It is also prepared by boiling the
plant and inspissating the liquid.
Mr. Ricketson of New York has
shown that our own poppy affords
it equal to that imported, for which
we are much indebted to him, tho'
I hope it will never be cultivated
in America, for in whatever
Country it is, it will be used to

James M. Smith
 1840

James M. Smith
 1840

James M. Smith
 1840

James M. Smith
 1840

James M. Smith
 1840

James M. Smith
 1840

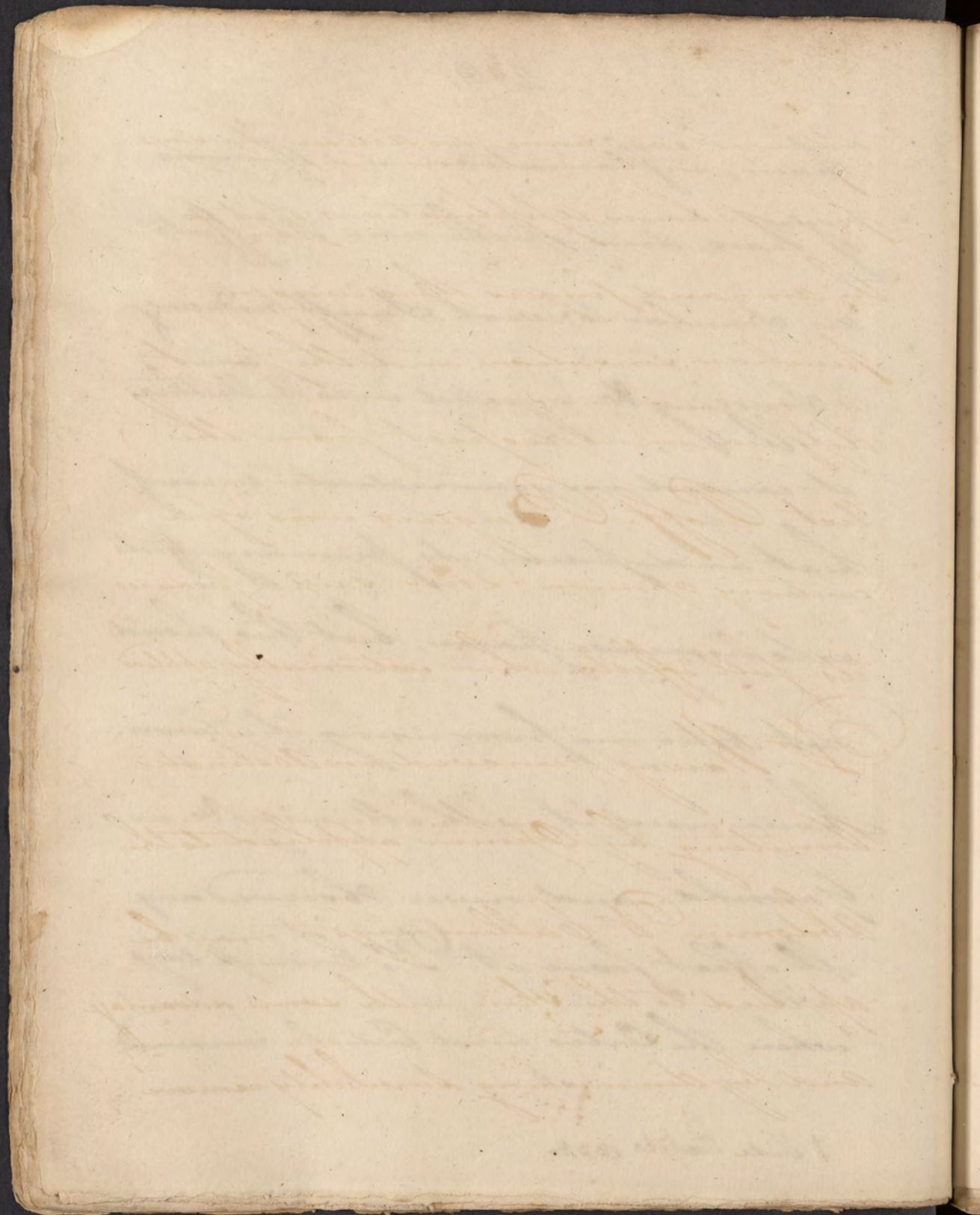
produce the most miserable state
 man can be placed in Dr. Coxe of
 this City has obtained it from
 the Garden lettuce, which was
 nearly equal to our imported
 Opium, which is frequently
 adulterated with it, it is weaker
 than that from the Poppy. —
 January 13. 1803. Having completed
 the natural history of Opium. I
 proceed to the most important part
 namely its use, I shall first

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Speak of it applied externally to
 the human body when applied
 to the internal membrane of the
 nose, Uthra or other surface. the
 cuticle of which is deficient, it
 produces a sense of heat, pain &
 Inflammation, it is allowed that
 it diminishes the sensibility of
 the part it is applied to, but there
 are some who deny its stimulating
 effects, Dr ^t Crump poured a solution
 of Opium into his left eye, it caused

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

pain, inflammation and effusions
 of Tears, draw up the nose its effects
 are similar to weak Snuff producing
 a Sneezing &c. injected into the Uthra
 it caused an immediate sense of
 heat and pain. its primary effects
 is to increase pain, but this should
 not deter me from using it in Gonorr.
 I have used it with Mercury &c. in
 Gonorrhoea. and never observed any
 ill effect from it. Dr Crump says
 when the Uterus and Cuticle remained



entire it can have no action, he says
 from 18 hours applications of it to
 the arm and fingers there was no
 peculiar sensation and the part
 differed in no respect from the
 rest, Proff. Burgin was of a
 contrary opinion Loeu says it produces
 its full effects when externally applied
 Dr Parry removed an obstinate
 Vomiting by Opium applied to the
 Abdomen. Dr Culling says it may be
 applied to the skin with some advantage
 and by diminishing sensibility remove

pain, Opium plasters applied to
the temples remove tooth ach. Dr.

Jackson a graduate of this university
has made some experiments on Opium
externally applied, he believes its
effects are inconsiderable if any;
he applied plaster to the Epigastrium
and suffered it to remain on 18
hours. his sleep or the article was
not affected. I take the more
Notice of this as it is opposed to my
Own Opinion. A Physician not belonging

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

in the efficacy of external applications
 would I fear let many patients suffer
 who otherwise probably might be relieved.
 I can vouch for its characteristic of facts
 when externally applied. my late
 friend and relative Mr. Pittenhouse
 was often affected with a pain in
 his Stomach for which he applied
 Opium or Laudan. which had all
 the effects as if taken internally.
 A Lady employed in rubbing some
 Tinct. Opium. on the Temples of one of
 my patients was affected with

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Sickness at Stomach and Sleep;
 this Lady I say had never taken
 any Opium. it has been disputed
 in which manner it Operates.
 I have no doubt it is by immediate
 application and by absorption, why
 should it not be absorbed like other
 Medicines? — I am now to treat
 of its internal use, I shall consider
 its effects on the Vital, Animal and
 Natural functions, on the Vital
 Functions. the primary operation
 is that of rendering the pulse fuller and

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

and stronger, afterward it is diminished;
 the heat of the body is somewhat augmented,
 the respiration becomes laborious &
 slow. it frequently produces apoplexy
 as Spirits &c. Haller and Sauvage take
 notice of this, some consider Opium as
 a Sedative, others as a Stimulant
 but that it afterwards was sedative.
 Dr. Boerhaave says we must refer
 Opium to the Class of Stimulants.
 Dr. Cullen admitted that its first
 Operation was to irritate the sangui-
 ferous System; but at the close of his

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

[Faint, illegible handwriting at the bottom of the page, possibly a signature or date.]

life he believed in its sedative quality
 exclusively. the learned Traverses who
 died lately ascertained twenty years ago
 that it at first always accelerated
 the pulse tho' eventually it reduced
 it. this Idea is now generally admit-
 ted tho' it is thought new, the fact
 above shews the contrary. Dr. Cump
 found 1 gr. of Opium increase the
 pulse from 6 to 10 beats in a minute
 Dr. Cump took in Expt. 6. 1 gr. of
 Opium his pulse 70. the following
 changes were observed

2.	5.	10.	15.	20.	25.	30.	35.	40.	45.	50.	60.
70.	74.	76.	76.	74.	74.	74.	72.	72.	70.	70.	70.

No variation in strength or fulness or
 showiness in Expts 7 & 8. the pulse was
 raised 10 beats in a minute. it created
 a pleasing languor, head ache &c.
 Dr Crampton's Experiments appear to me
 conclusive so far as they go. my two
 predecessors in this University have always
 plead hard for its sedative quality
 Dr Haller found a Clyster of Opium
 raise the pulse. Dr Bard of New York
 in his Inaugural thesis published
 at Edinburgh has endeavoured to
 prove it a sedative but to me his

to the ceremony of the coronation and many
a criminal who had been found guilty of
murder or other heinous crimes were
present at the ceremony and many of them
were seen to weep and sigh as they
looked on the king and queen who were
seated on high and surrounded by
nobles and knights in armor. The king
was dressed in a rich and costly robe
and the queen in a gown of deep blue
with a train of ermine. They were
seated on a throne of gold and silver
and the king held a scepter in his right
hand. The ceremony was performed with
great solemnity and the people were
all dressed in their best clothes. The
king and queen were crowned with
crowns of gold and precious stones and
the king gave a speech to the people
in which he promised to govern them
with justice and mercy. The ceremony
ended with a grand banquet and the
king and queen were seated at the head
of the table. The feast was magnificent
and the king and queen were seen to
eat and drink with great enjoyment.

Experiments do not appear conclusive,
 he never attended to the pulse before
 50 Minutes when the Stimulating
 effect was Over we should Observe
 the pulse nearly from the moment
 it is taken. Dr Crump says its
 effect was very sudden. - I do not
 think the pulse always shows the effect
 of a Stimulating Medicine. Jan'y. 14.
 Opium increases the heat of the body.
 Martin however says it was diminished.
 Dr Crump asserts with the increased
 frequency of the pulse the heat is some.

As conscience a better punishment of crime
than punishment itself

Mr President -

The Question

preparations by you at the last meeting of the
association for discussion, suggested to me that a
few interesting remarks on the subject of
Greece, might not be "superfluous," and
being "in order as regards" those interested in
things on paper. My friends, you have heard it said
of some cold hearted man, "he has no conscience," and

is not the case - Conversion is one of those most
 pure & idealized methods of leading into the spirit of prayer -
 light inward in the language of that soul, preparing
 it outward and upward with its growth
 being of regeneration. It is born with the child and
 is a part of that child - it is not in its mother's breast
 and merges with him into another, and doubtless him
 full of light - a soul made to him who comes it. ~~It~~

Conscience may for a time sleep, but it is never
dead - it will come or time - or movement it may be
only, but it will come or time even to the most
hardened criminal, when conscience will awake
him, it will and gliding like a ghost on his head
and slath him as did the shade of Phaulcon at the
hangings of Macbeth. It may not be in time

I have been from the commencement of the spring
 camp. So far as has argued the case with him - thinking
 his eyes and his heart - for the house and chairman
 his conduct evidence - into sheep. But I cannot
 cannot not differ him from some held that of not
 the form of punishment and - I have been forward
 hope to the administration of the same - in order for
 I want hope to the chance of escape - and

When these fail, he often resorts to generalities with his

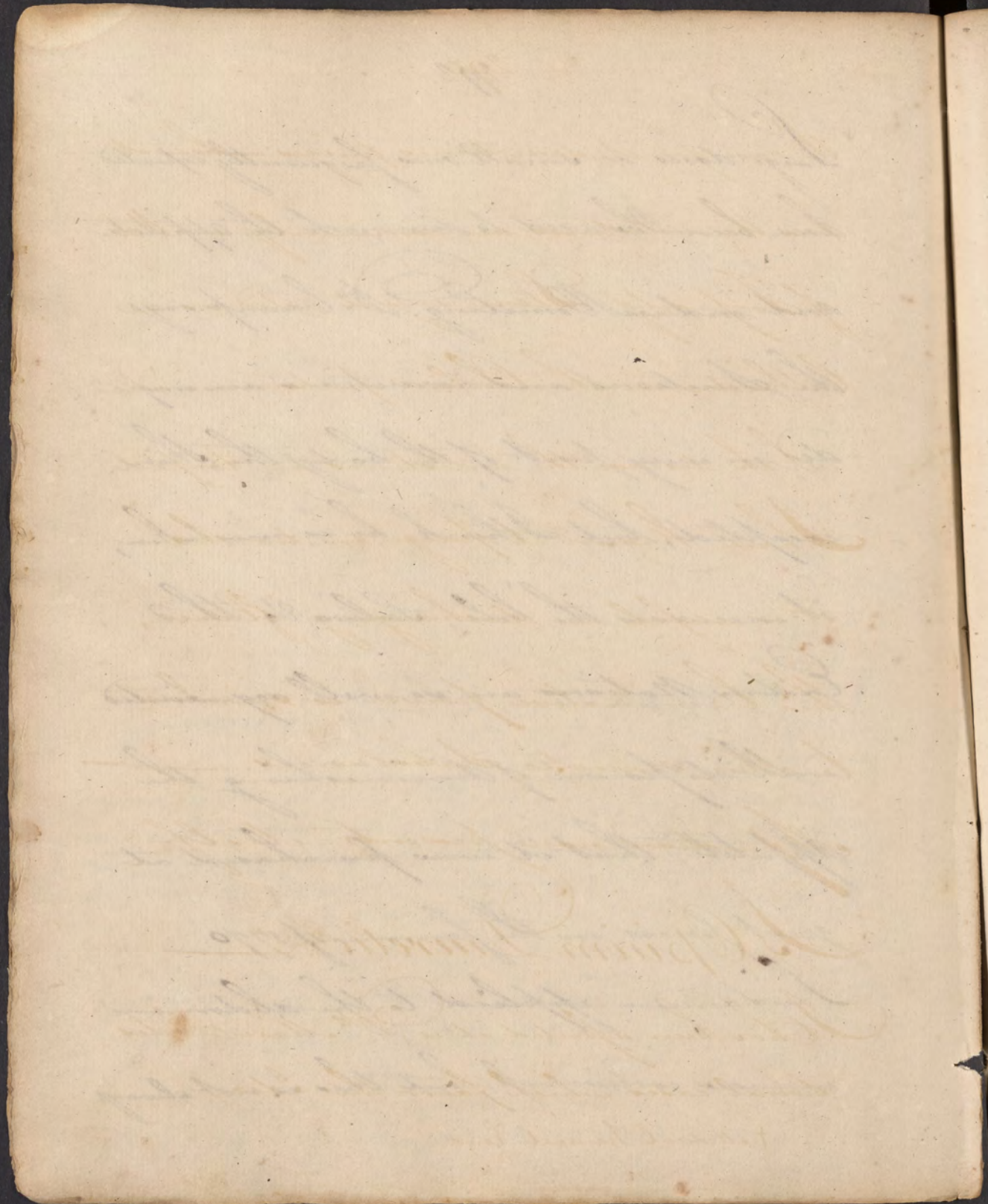
And it is not possible to any more or conditions of which
 some known characteristics. See page 29th
 B. It is not a result of education - but is implanted by him who is a part of his nature.
 29th

what augmented, flushings of the face &c.
 Dr. Nicholow of New York found the
 Opium prepared by himself to create
 a fulness of the Vessels of the head, it
 frequently induces Tremulus Aurium
 which to me is a mark of Stimulant
 Operation; the Tremulus is generally
 attended with a febrile state of the
 System the Respiration according
 to Dr. Crump is little affected unless
 from large doses. —

I am now to speak of the effects of
 Opium on the Natural functions.

[The page contains extremely faint, illegible handwriting throughout.]

Large doses or small ones frequently repeated
 have been Observed to diminish the appetite
 and induce Vomiting. Dr. Cramer says
 the Secretions and excretions are impe-
 -ded in every part of the body the skin
 excepted, but I think he is mistaken,
 it increases the bile, Saliva &c. the
 Eastern Nations are so well acquainted
 with its power of diminishing the
 -Appetite, that it was purchased at
 great prices in the famine of 1770.
 Laudanum applied to the abdomen
 induces costiveness, but this is not always



the case for it sometimes purges: when it
 does the intestines are commonly in a State
 of Torpidity. Stone says it acted as a
 Cathartic in the Cholera pictorum in
 which disease the intestines are torpid.
 I have known it purge in dysentery.

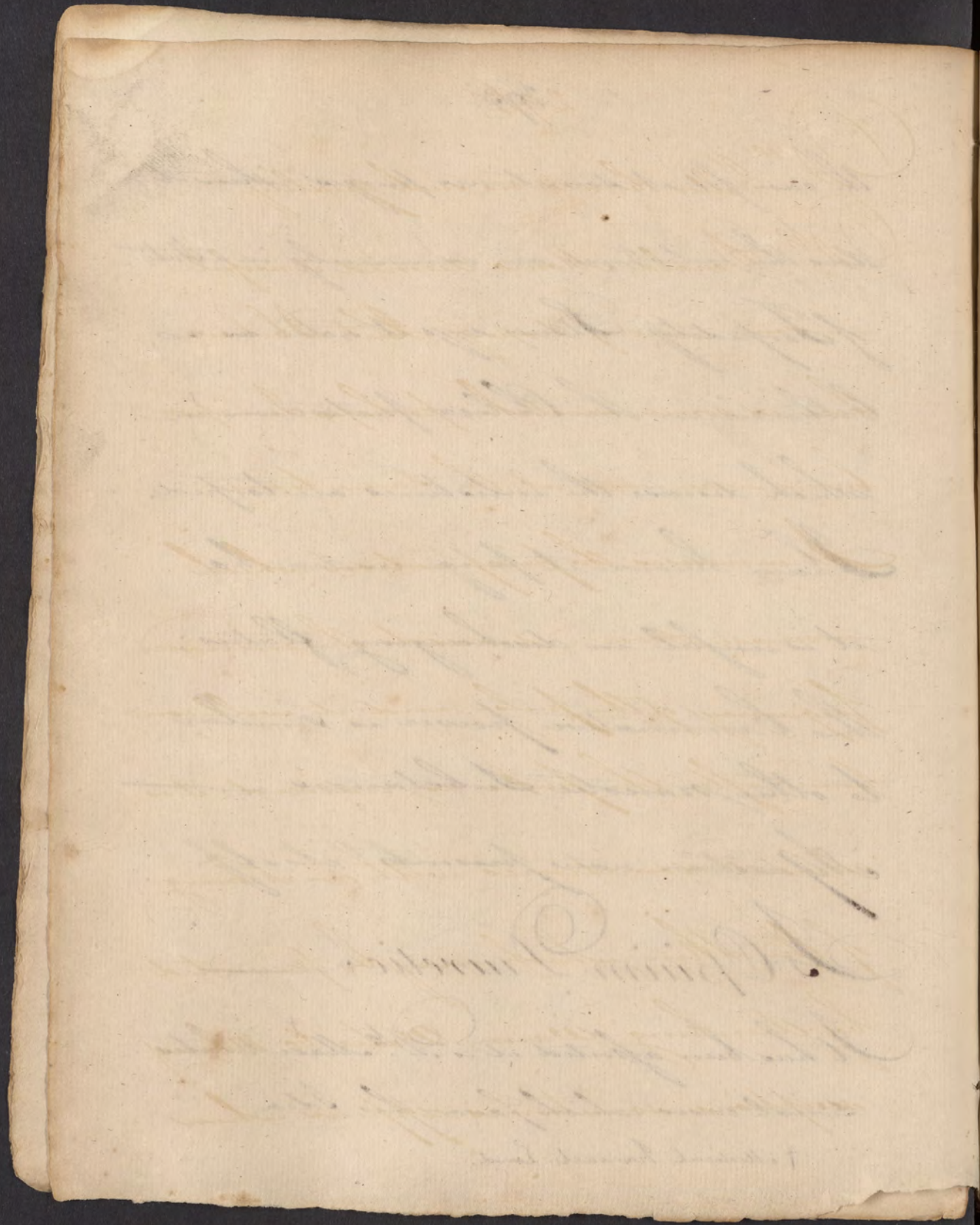
it is useful in discharging flatulencies;
 this Carminative power is similar
 to other narcotic Substances. —

A question now presents itself

Is Opium Diuretic? —

It has been asserted it is. Dr. Mac[†] relates
 several cases which favor this Idea.

† Medical Transact. Lond.



Dr^o Haller showed no such quality.

Dr^o Donald & Monro deemed it useful
in some cases of Dropsy; But I believe
there is some mistake, perhaps Juniper
berries were used at the same time.

It increases the perspiration which
increases soon & succeeds the increased
frequency of the pulse and it will con-
tinue after the pulse is reduced: it is
attended sometimes with an itching
of the skin which may be prevented
by drinking warm water &c. Miliary
eruptions sometimes appear when

Two years in Itcarew

Two years in Itcarew, another
two years beneath the Sod,

and yet I know a thousand years
so but - as long with God.

A thousand years but as a day!

What concentrated bliss!

3 And then over Angel-mountain, there
4 Participant of this!

Back tears! and soul pure, firm!
Back sin! stand firm my heart!
May God make me to share
in glory that thou hast!

when using Opium and disappear when
the use is omitted. Han Boerhaave gave
some Opium to a dog and found a
supernatural quantity of Bile in the
Gall Bladder. Dr. Darwin remarks that
Opium increases all the Secretions but
as they at the same time promote
absorption, those fluids which are secreted
into receptacles as Urine, bile &c have
their thinner parts absorbed and hence
as the quantity of secreted fluid
was increased yet as the absorption
was also, the excretions was diminished.

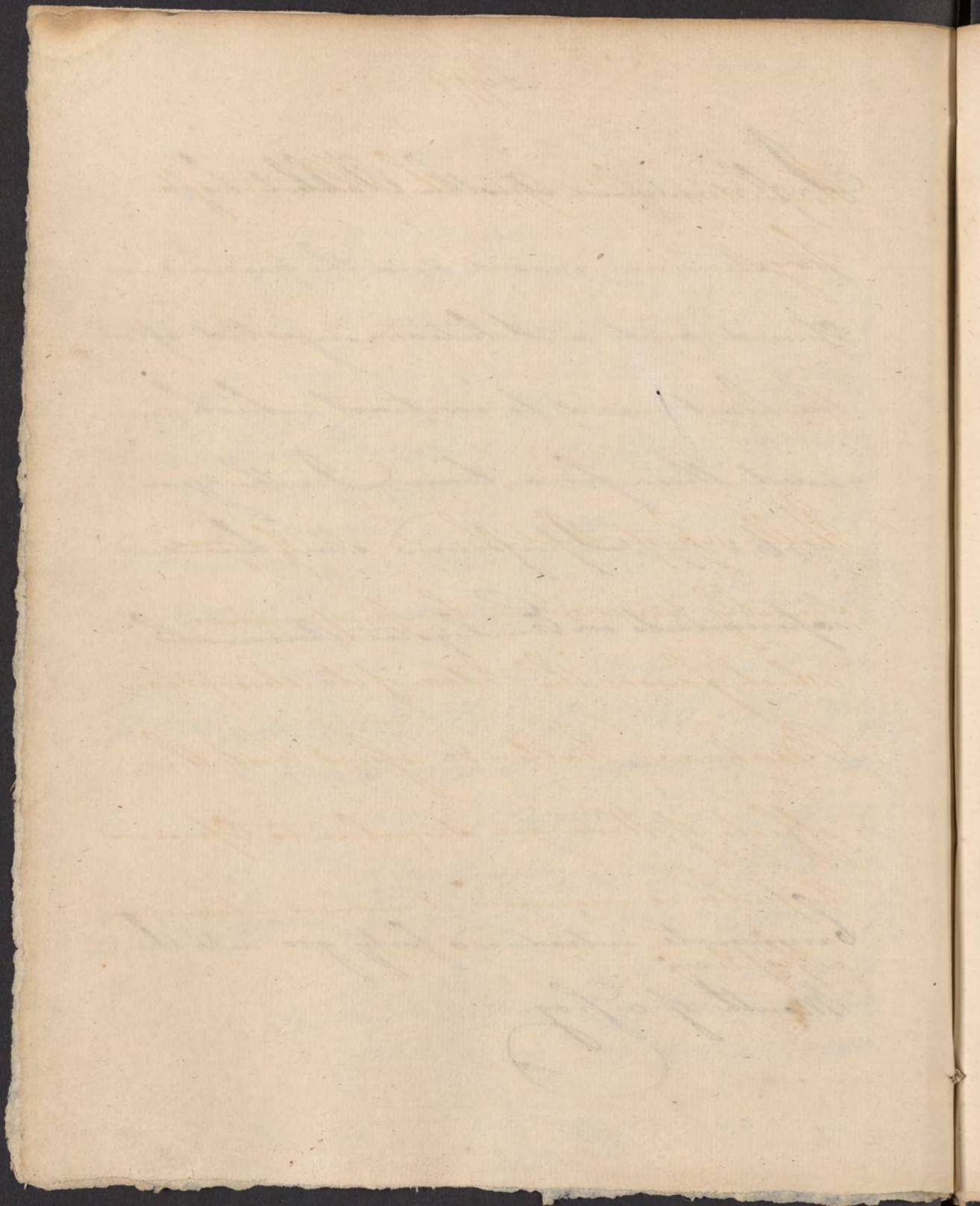
[illegible]

January 17. 1803. All that I have yet said
 relates to its effects on the human Subject
 I will speak of its effects on Animals.
 I have told you that the aqueous
 Solution applied to the Eye of a dog
 by Dr. Cramer caused an inflammation
 flow of Tears as in the human Subject
 the Abdomen of a rabbit was opened
 20 Min. after being injected with a
 Solution of Opium and it appeared
 inflamed. but we know that we
 can hardly expose the Cavity of the
 Abdomen to view without exciting

[illegible]

Inflammation. Another Rabbit had
its Arteries raised and the pericardium
opened and a Solution injected after
the heart ceased to contract which re-
newed them for a time. In the year
1796 & 1797. I performed some hundred
experiments on Embryonic Animals.

Carminative introduced forty grs. into the
Mouth of a Frog.



Martinum laid open the Abdomen of a
Frog

Haller asserts that the smell of was
sensibly perceived in his perspiration
which favors the Idea of its absorption.

Bourhaave, Haller &c. assert that the
effects of Wine are similar to Opium,
the pulse is increased, it induces intoxication,
Apoplexy

his dog and of squire would have killed a dog
for Plato to read in. Mrs. Sam. W. W. W.
time had not come!

Mr. Lorc knew a Woman rendered furious
 by Opium which Wine relieved. Dr^r Murray
 thinks this a proof of the difference between,
 but I do not, Opium does not always
 induce Mania and two different
 doses will have different effects on
 the same person. I have used herbane
 very successfully where opium induced
 furor. you have seen that it was
 Pungent to the taste. irritating to the
 Eyes or inflamed parts, taken internally
 it increases the pulse, heat of the body &
 the mind & body have a Temporary
 hilarity. these I think entitle it the little

[illegible]

Cordial and Inebriant and its use in
 the latter stages of low nervous fevers when
 Wine and Camphor are useful but I
 believe none so much as Opium: given
 before the Paroxysms of Intermitting
 fevers it prevents them and there is
 every reason to believe it is by its
 Stimulating Quality; yet it frequently
 fails to prevent their recurrence. in the
 Confluent small pox Camphor has
 been used but Opium is one of the most
 indispensable Articles.

That great but importunate Man Dr^r
 Brown whose abilities if they had been
 properly applied might have raised him
 to the highest pinnacle of Medical fame
 fell a Victim to the use of Opium and
 Brandy, and tho' his contemporaries have
 not done him Justice posterity certainly will.
 those who constantly make use of Opium
 are able to take immense quantities, thus;
 Dr^r Russel mentions a man who could
 take three or four drachms without its
 producing a greater effect than a single
 grain would have done on himself.

As a dentist thought that
 the who did not know a more
 in body from a person who did
 the patient with whom he lived
 an intelligent man.

[illegible]

He mentions houses in that Eastern Countries
 which the people resort to every evening
 to get their Pill as they do here to the Tavern,
 here says he you will see Machines
 rather than Men, pale languid and
 lifeless; after they get their pill leap
 about and make the most ridiculous
 gestures, talking Nonsense and enjoying
 all the happiness imaginable. —

The effects of Wine and Opium are
 very similar. Wine given in large
 Quantities produces a fulness and
 frequency of the pulse, exhilarates &

[illegible]

induces intoxication, then languor
and debility. In common with Opium
it increases all the Secretions. We are not
assured it produces costiveness. Hicliam
says its effects are similar to Alcohol; &
Dr Darwin was so well convinced of its
Stimulating Quality that he has placed
it at the head of his Class Incitantia
One of the most powerful arguments
against the Stimulating quality of
Opium is its power of alleviating pain,
but pain is frequently caused by too
little, or a deficiency of action, called

In my almost thirty years of life
 I have never seen a more beautiful
 and interesting place than this
 little island. The people are
 very kind and the food is
 excellent. I have been here
 for a week and I am
 enjoying it very much.

Nervous pains; here Stimulants of all
 kinds are proper. there is a difference
 in Opinion among Physicians as to
 its use in Inflammatory diseases they
 give Opium where no body would
 think of giving Brandy or Spirits.
 they would not give it unless they
 thought it a Sedative, but it is one of
 the most powerful Stimulants. but
 does Opium give no relief in Inflammatory
 pains? I answer it does, but not
 for a considerable time after it has
 been exhibited, its ^{first} effect is that of a

These young taken
from the wheat & other

Handwritten text, likely bleed-through from the reverse side of the page, including the word "Bible" and some numbers.

[Faint, illegible handwriting]

[Faint handwritten notes at the bottom of the page, likely bleed-through from the reverse side.]

[Faint, illegible handwriting]

10. 11. 1914. 10. 11. 1914. 10. 11. 1914.

[Faint, illegible handwriting on aged paper]

[Faint, illegible handwriting on aged paper]

A close-up photograph of a piece of aged, yellowed paper. The paper has a mottled texture with various brown spots and stains. On the left edge, there is a small, dark metal fastener or clip. Faint, illegible markings are visible on the surface, possibly remnants of text or drawings.

~~7-10-97~~ 7-10-97

Accumulating the excitement which increases
 the pain, afterward the excitability is
 exhausted, a torpor induced, or an inap-
 titude to be acted upon by Stimuli
 after the Torpor goes off the pain returns
 with fresh Violence so that it does
 not give relief in Inf. pains until
 the first Operation is over. It is a most
 pernicious remedy in Inflammatory
 pains and where Bleeding is called
 for. In Odontalgia Opium frequently
 increases the pain at first which is
 relieved when the Torpor succeeds.

Q. C. 10

II

Inflammatory pains are always attended
with heat of the body Nervous pains with
cold extremities. —

I now proceed to consider the circumstance
of the Stimulus of Opium; one which
renders it very apparent when habit
has made its use necessary and if by
accident its use is left off, it can only
be supplied by articles acknowledged
by all to be Stimulating as Wine &c.
In hospitals where we have the patients

than before & from the English state
 as early as possible. I was
 almost in a hurry to go
 and have been on the road
 for some days. I have
 a great deal of business
 to do and am very
 busy. I have been
 in the city for some
 days and have been
 very busy. I have
 been in the city for
 some days and have
 been very busy. I
 have been in the city
 for some days and
 have been very busy.

not increase the excitement of the System.

I conceive that diffusibility is necessary to excitement and the excitement will be in proportion to the diffusibility of the Medicine. Opium is the most diffusible of all our Stimulants. a knowledge of this is of much practical importance.

It might be expected I should say something of its Anodyne property: it has a Stimulating power, of quick diffusibility & this quickly exhausted.

[The page contains extremely faint, illegible handwriting throughout.]

The anodyne quality is *ceteris paribus* in proportion to their diffusibility. That it is we must always have it in view when we prescribe it as a Cordial. the conclusion from all these are first that it is a Stimulating and Cordial Medicine, Secondly that its diffusibility is rapidly sent over the body.

Thirdly, that its effects are quickly over. Fourthly, that it increases the Pulse & heat of the body; a hilarity of the mind and excitement of the System the only

The author of the present work has been
 much interested in the study of the
 history of the city of New York, and
 has been particularly struck by the
 rapid changes which have taken place
 in its population, its commerce, and
 its general aspect, since the first
 settlement of the Dutch in 1624. He
 has therefore endeavored to collect
 the materials for a history of the
 city, from its first settlement to the
 present time, and to present them in
 a concise and interesting form, so
 as to afford a general view of its
 progress, and to show the influence
 of the various causes which have
 produced its present state.

Circumstance of any weight against the doctrine
 I have delivered is, that if applied externally
 it destroys the Sensibility of the part without
 any increase of excitement, but from many
 experiments made by Dr. Cramer it is
 proved that Alcohol and Ammoniac have
 the same effect and that more suddenly.
 There is no effect produced by Opium but
 what may be accounted for from its
 Stimulating qualities. Opium may be
 purified by reducing it to a pulp with
 hot water and pressing it strongly
 while hot through linen cloth from

[illegible]

its impurities, it is then to be evaporated
 by a gentle heat to its Original consistence.
 this extract contains a Resin, an essential
 Salt, a kind of Oil and gluten. when the
 Resin is chewed no pungency is perceived.
 from some experiments it appears the
 bitterness resides in the Gum and the
 Narcotic quality in the Resin, tho' Dr.
 Crump says the Gum possesses it in an
 inferior degree. In short Opium is
 composed of Gum, Resin, Essential Oil,
 Salt and Gluten with its fecula.

Jan'y 21. 1803. Lead. Case of Hemorrhagy

[illegible]

Last Sunday the 16. I was called to a woman who had miscarried under the hands of a Midwife. I found her with Violent Hemorrhagy from the Uterus with no pulse, sometimes sensible at others in convulsions. I prescribed for her three grs. of the Cerus Acetat. which had the desired effect in 30 min. and I now consider her out of danger; it caused some sickness.

I am now to speak of Opium in particular Diseases and first in Continued fevers. —

Dr. Cullen has divided them into three Species Synochus, Synocha and Typhus.

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Draws	on	Shirts
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17 1650	1800	9 18 1800
19 1800	2000	20 2100
21 2000	2200	22 2400
23 2200	2400	24 2700
25 2400	2600	26 3000
27 2600	2800	28 3300
29 2800	3000	30 3600
31 3000	3200	32 3900
33 3200	3400	34 4200
35 3400	3600	36 4500
37 3600	3800	38 4800
39 3800	4000	40 5100
41 4000	4200	42 5400
43 4200	4400	44 5700
45 4400	4600	46 6000
47 4600	4800	48 6300
49 4800	4900	49 6600
51 4900	5000	50 6900
53 5000	5100	51 7200
55 5100	5200	52 7500
57 5200	5300	53 7800
59 5300	5400	54 8100
61 5400	5500	55 8400
63 5500	5600	56 8700
65 5600	5700	57 9000
67 5700	5800	58 9300
69 5800	5900	59 9600
71 5900	6000	60 9900
73 6000	6100	61 10200
75 6100	6200	62 10500
77 6200	6300	63 10800
79 6300	6400	64 11100
81 6400	6500	65 11400
83 6500	6600	66 11700
85 6600	6700	67 12000
87 6700	6800	68 12300
89 6800	6900	69 12600
91 6900	7000	70 12900
93 7000	7100	71 13200
95 7100	7200	72 13500
97 7200	7300	73 13800
99 7300	7400	74 14100
101 7400	7500	75 14400
103 7500	7600	76 14700
105 7600	7700	77 15000
107 7700	7800	78 15300
109 7800	7900	79 15600
111 7900	8000	80 15900
113 8000	8100	81 16200
115 8100	8200	82 16500
117 8200	8300	83 16800
119 8300	8400	84 17100
121 8400	8500	85 17400
123 8500	8600	86 17700
125 8600	8700	87 18000
127 8700	8800	88 18300
129 8800	8900	89 18600
131 8900	9000	90 18900
133 9000	9100	91 19200
135 9100	9200	92 19500
137 9200	9300	93 19800
139 9300	9400	94 20100
141 9400	9500	95 20400
143 9500	9600	96 20700
145 9600	9700	97 21000
147 9700	9800	98 21300
149 9800	9900	99 21600
151 9900	10000	100 21900
153 10000	10100	101 22200
155 10100	10200	102 22500
157 10200	10300	103 22800
159 10300	10400	104 23100
161 10400	10500	105 23400
163 10500	10600	106 23700
165 10600	10700	107 24000
167 10700	10800	108 24300
169 10800	10900	109 24600
171 10900	11000	110 24900
173 11000	11100	111 25200
175 11100	11200	112 25500
177 11200	11300	113 25800
179 11300	11400	114 26100
181 11400	11500	115 26400
183 11500	11600	116 26700
185 11600	11700	117 27000
187 11700	11800	118 27300
189 11800	11900	119 27600
191 11900	12000	120 27900
193 12000	12100	121 28200
195 12100	12200	122 28500
197 12200	12300	123 28800
199 12300	12400	124 29100
201 12400	12500	125 29400
203 12500	12600	126 29700
205 12600	12700	127 30000
207 12700	12800	128 30300
209 12800	12900	129 30600
211 12900	13000	130 30900
213 13000	13100	131 31200
215 13100	13200	132 31500
217 13200	13300	133 31800
219 13300	13400	134 32100
221 13400	13500	135 32400
223 13500	13600	136 32700
225 13600	13700	137 33000
227 13700	13800	138 33300
229 13800	13900	139 33600
231 13900	14000	140 33900
233 14000	14100	141 34200
235 14100	14200	142 34500
237 14200	14300	143 34800
239 14300	14400	144 35100
241 14400	14500	145 35400
243 14500	14600	146 35700
245 14600	14700	147 36000
247 14700	14800	148 36300
249 14800	14900	149 36600
251 14900	15000	150 36900
253 15000	15100	151 37200
255 15100	15200	152 37500
257 15200	15300	153 37800
259 15300	15400	154 38100
261 15400	15500	155 38400
263 15500	15600	156 38700
265 15600	15700	157 39000
267 15700	15800	158 39300
269 15800	15900	159 39600
271 15900	16000	160 39900
273 16000	16100	161 40200
275 16100	16200	162 40500
277 16200	16300	163 40800
279 16300	16400	164 41100
281 16400	16500	165 41400
283 16500	16600	166 41700
285 16600	16700	167 42000
287 16700	16800	168 42300
289 16800	16900	169 42600
291 16900	17000	170 42900
293 17000	17100	171 43200
295 17100	17200	172 43500
297 17200	17300	173 43800
299 17300	17400	174 44100
301 17400	17500	175 44400
303 17500	17600	176 44700
305 17600	17700	177 45000
307 17700	17800	178 45300
309 17800	17900	179 45600
311 17900	18000	180 45900
313 18000	18100	181 46200
315 18100	18200	182 46500
317 18200	18300	183 46800
319 18300	18400	184 47100
321 18400	18500	185 47400
323 18500	18600	186 47700
325 18600	18700	187 48000
327 18700	18800	188 48300
329 18800	18900	189 48600
331 18900	19000	190 48900
333 19000	19100	191 49200
335 19100	19200	192 49500
337 19200	19300	193 49800
339 19300	19400	194 50100
341 19400	19500	195 50400
343 19500	19600	196 50700
345 19600	19700	197 51000
347 19700	19800	198 51300
349 19800	19900	199 51600
351 19900	20000	200 51900
353 20000	20100	201 52200
355 20100	20200	202 52500
357 20200	20300	203 52800
359 20300	20400	204 53100
361 20400	20500	205 53400
363 20500	20600	206 53700
365 20600	20700	207 54000
367 20700	20800	208 54300
369 20800	20900	209 54600
371 20900	21000	210 54900
373 21000	21100	211 55200
375 21100	21200	212 55500
377 21200	21300	213 55800
379 21300	21400	214 56100
381 21400	21500	215 56400
383 21500	21600	216 56700
385 21600	21700	217 57000
387 21700	21800	218 57300
389 21800	21900	219 57600
391 21900	22000	220 57900
393 22000	22100	221 58200
395 22100	22200	222 58500
397 22200	22300	223 58800
399 22300	22400	224 59100
401 22400	22500	225 59400
403 22500	22600	226 59700
405 22600	22700	227 60000
407 22700	22800	228 60300
409 22800	22900	229 60600
411 22900	23000	230 60900
413 23000	23100	231 61200
415 23100	23200	232 61500
417 23200	23300	233 61800
419 23300	23400	234 62100
421 23400	23500	235 62400
423 23500	23600	236 62700
425 23600	23700	237 63000
427 23700	23800	238 63300
429 23800	23900	239 63600
431 23900	24000	240 63900
433 24000	24100	241 64200
435 24100	24200	242 64500
437 24200	24300	243 64800
439 24300	24400	244 65100
441 24400	24500	245 65400
443 24500	24600	246 65700
445 24600	24700	247 66000
447 24700	24800	248 66300
449 24800	24900	249 66600
451 24900	25000	250 66900
453 25000	25100	251 67200
455 25100	25200	252 67500
457 25200	25300	253 67800
459 25300	25400	254 68100
461 25400	25500	255 68400
463 25500	25600	256 68700
465 25600	25700	257 69000
467 25700	25800	258 69300
469 25800	25900	259 69600
471 25900	26000	260 69900
473 26000	26100	261 70200
475 26100	26200	262 70500
477 26200	26300	263 70800
479 26300	26400	264 71100
481 26400	26500	265 71400
483 26500	26600	266 71700
485 26600	26700	267 72000
487 26700	26800	268 72300
489 26800	26900	269 72600
491 26900	27000	270 72900
493 27000	27100	271 73200
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549 29800	29900	299 81600
551 29900	30000	300 81900
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557 30200	30300	303 82800
559 30300	30400	304 83100
561 30400	30500	305 83400
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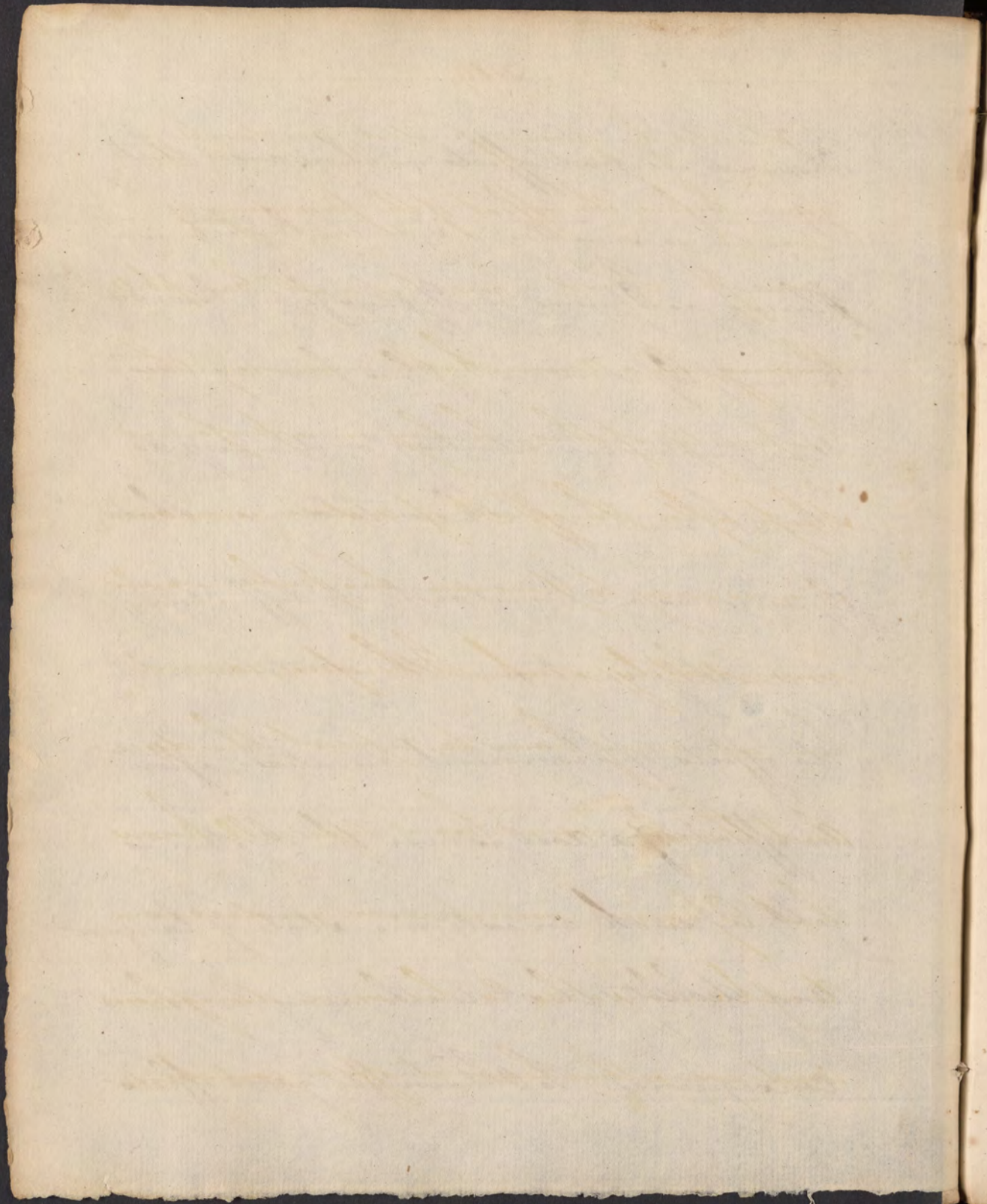
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318.

much more of the same

Observed its good effects in those cases that
I would as soon lay aside the lancet in a
Plurisy as Opium in Typhus fever, however
the use of Opium in Typhus fever requires
very particular attention or it may do
much mischief. I have told you that
Opium is a Stimulant; its diffusibility
is quickly sent over the System and
its effects of transient duration, after
the effect of a dose is over the System is
left in such an extreme state of languor
and debility that death may be the
consequence, To obtain its good effects



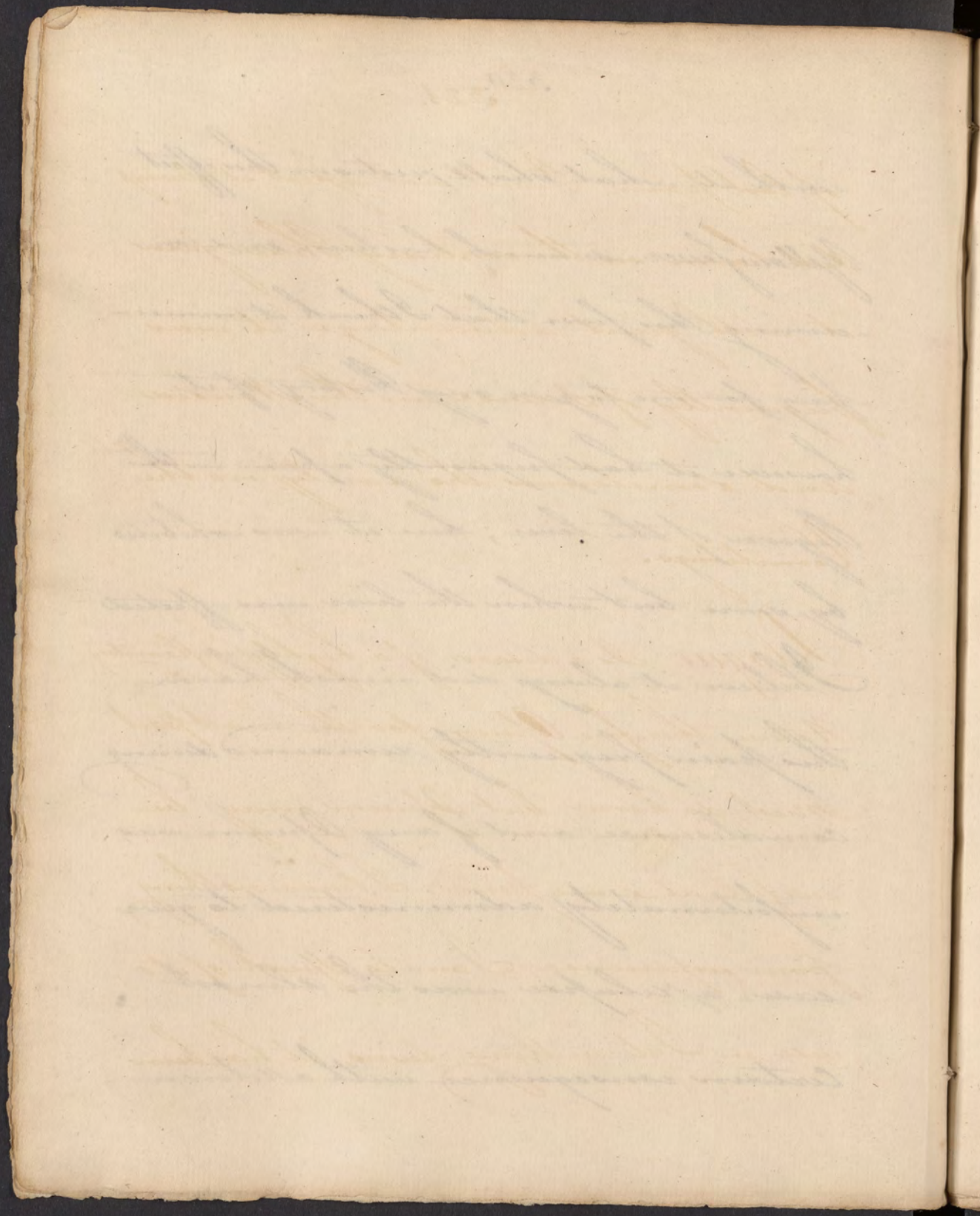
it should be often repeated, one dose being given before the effect of the preceding is gone off. I had a case in a Mr. Campbell shewing in a remarkable manner the propriety of this; he lay in a profound sleep after the effect of a dose was over; it was easy to perceive, his pulse would immediately sink; I therefore roused him up every hour to repeat the dose and thereby saved him. You all know that Opium sometimes induces a *deapheris* so as to become dangerous and we either leave it off or combine

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

with it what shall restrain this effect.

Yellow fever. so much has been said concerning this fever that I think it unnecessary for me to give any History of it.

however it had frequently a pain in the Region of the liver; here it was exhibited by some but when the liver was affected I believe it always did much harm this pain frequently remained during convalescence and if any Opium was unfortunately administered to give ease, a relapse was the almost certain consequence with a return



of lost pain. I will not assert it always
 did harm, on the contrary I have given
 it with great advantage it was
 frequently of Service in the Nausea
 and sometimes tho' rarely in the
 Vomiting.

Plague. Is a disease of a highly inflammatory
 Nature, therefore Opium for the most part
 must do harm, but Opium may be
 useful at some period. I know nothing
 from experience, I am to speak of its
 use in Intermitting fevers, it has been

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

along time used in the cure of those fevers.
 Galen used a prescription with Opium
 that was frequently serviceable. Etmüller
 had an high Opinion of it. It has
 always been a question at what time
 it ought to be exhibited. Briott
 Recommended an Opiate an hour
 before the Paroxysm especially if a
 severe cold stage accompanied it.
 It has been esteemed a pernicious
 practice to give during the hot stage,
 tho' a very respectable Physician Dr. Lind

The first of these is the
 the second is the
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 the fourth is the
 the fifth is the
 the sixth is the
 the seventh is the
 the eighth is the
 the ninth is the
 the tenth is the

gave it after the hot stage had commenced,
 he says if it did not relieve it never
 augmented the Violence of the Symptoms
 and Wonderful to tell! Opium given
 in a delirium done no injury he says
 it lessens the duration of the paroxysm
 Skin and Sleep; they awake refreshed
 and bathing in moisture. Patients
 treated in this way had no drop-
 -sies or Obstructed Vesica following.

From my own experience I cannot
 say Lind's practice was improper,
 yet I would not recommend it,

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page. The text is arranged in approximately 15 horizontal lines.]

I have found it increase the pain
 in the head. Dr. Bullen says a few
 drops of Laudanum combined with
 bark assisted much in lessening
 the fit. If I was to Judge from two
 cases in which I made the experiment,
 I should certainly condemn the
 practice as utterly improper, in
 one ^{*} case in which I gave it produced
 pain in the head and left him
 in a comatose state for 24 hours,
 and the patient was with

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Difficultly saved and in the other
 it did much harm. How are we
 to reconcile facts so Opposite.
 From the result of the two cases
 I would advise you to receive
 with caution what this respectable
 Physician says on the Subject, I
 have tryed a domestic remedy
 with much success; that is giving
 from 30 to 60 drops of Tinct. Opie
 in very strong Coffee, immediately
 before the expected paroxysm and

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

it generally succeeds. I am informed
 by Dr. M^r. Gluaine that Opium
 given in Coffee will produce its effects
 when neither separate will on this
 Subject I can speak from my own
 experience, Dr. Stork says in every
 instance except one it induced a
 Trembling &c. Barminate says Coffee
 produces as well as Opium considerable
 effects. How Coffee obviates the Narcotic
 effects of Opium is hard to tell, but
 Sixty drops of Tinct Opium in Coffee

My dear friend

I have just received your letter

and am very glad to hear from you

and hope you are well

I am writing you a few lines

to let you know that I am

thinking of you very much

and hope you are happy

and all the family

I am very much interested

in the progress of your

studies and hope you are

very successful

Yours truly

will not produce more effect than twenty
 or thirty without it. Some experiments
 have lately been made by an European
 on this Subject. three times the dose
 that would kill animals is nearly
 obviated by Coffee. it is a Subject well
 worth pursuing. I have asserted the
 Narcotic effect of Opium is something
 different from its Stimulus. I am now
 to speak of its use in Phlegmasia
 which belong to the Class Pyrexia
 of Dr Cullen which are diseases
 of Inflammation. the generality of

Writers consider Opium pernicious;
 Yet there are some who recommend
 it in Inflammatory diseases. It has
 been used as an evacuant as in
 Powers powders to determine to the skin,
 but unless it excites sweating it always
 does harm. Dr. Young of Edinburgh
 lays it down as a golden rule where
 Bleeding is necessary, there Opium
 is improper: but as Dr. Young
 observes there are several exceptions
 to this; In Jaundice a Stone at
 the Neck of the Gall bladder may

My dear Mr. [unclear]

I have just received your letter of the 10th

and am very glad to hear from you

and that you are well

I am very much interested in your

letter and am glad to hear that you

are well and that you are

very much interested in your

letter and am glad to hear that you

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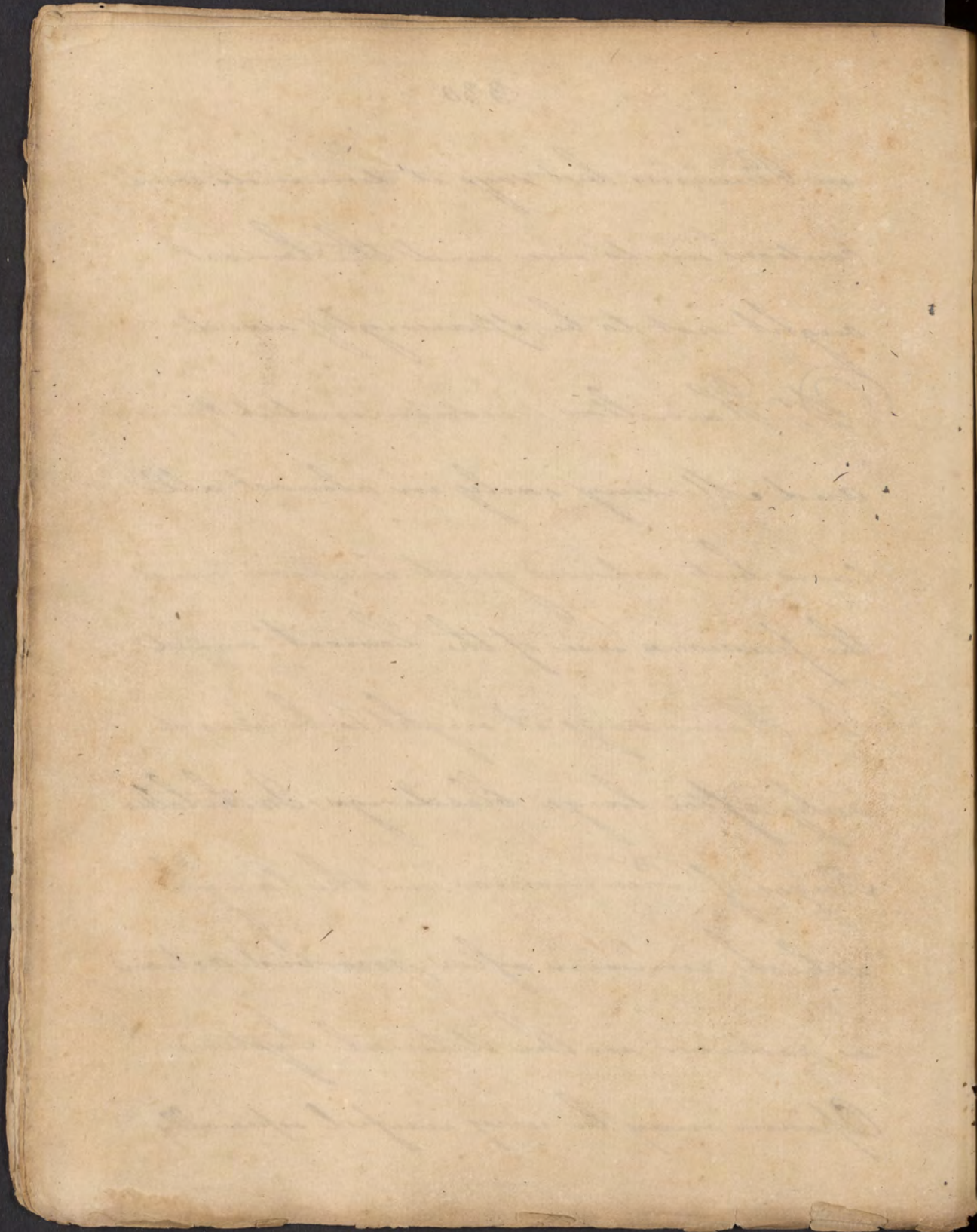
create inflammation and bleeding
 may be necessary and yet Opium
 may given with advantage. Dr. Cullen
 employed bleeding and Opium at the
 same time as I myself have. —

Pneumonia. in this disease the use
 of evacuants is pretty well established
 such as bleeding purging &c. and
 Opium is generally admitted pernicious
 in the early stages: some however
 recommend it early in the disease.
 Dr. Haen recommends Opium and
 A. Lini. A. S. likewise used it

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

in Pleurisy but says it demands some caution in its use and the lancet ought not to be sparingly used.

Dr Hamilton recommended Opium and Mercury early in almost all cases but advised great caution and the previous use of the Lancet and Dr Haen says it ought to be used only after large bleedings. In the latter stages of Pneumonia in the Cough which remain after morbid action is reduced in the Arterial System Opium may be very useful especially



if Joined to some mucilaginous
 Medicines; if given early it increases
 the difficulty of breathing. it is used
 with advantage if Joined with dia-
 phoretics. There is a mixture which
 I have used in such Cases with
 Much Success and in some Catarrhal
 Affections. R. Tinct. Opii Camph. ℥i.
 Vin. Antimon. gutt. 150 vel. Antimon. tartus
 potas grs 2. Ext. Glycyrrh ℥ij. Gum.
 Arab. ℥ij. Vel. ℥ij. Ag. pura ℥vii.
 A Spoonful may be given three or
 four times a day. the Vin Ipecacuanha

has been used, but I prefer the Antim.

Tartus. Guaiacum is less apt to affect the Skin. —————

Rheumatism is the next Inflammatory disease; there are two species of this disease, the Acute and Chronic. the first or Acute arises from inflammation, the last from Atonia or debility. In the Acute Rheumatism as it depends on too much must be reduced by depletion as bleeding, purges &c. if after the violence of the Inflammatory symptoms the

at the branch of Steamship Transportation Co.
has way to look at the contract between the
administration of the Cuban province and the
the Spanish Government. The first does contain
four of the most important points of the contract
from which the following are taken:
1. 8 - Duration of the term of 14 years at 14
for 1 - Supply of 9 while the
Steamship Transportation Co. has
to pay a price for the same that
is to be determined by the Government.

continues troublesome, the patient
 may be made to sweat but we
 should never venture on the sweating
 place until the Inflammatory diathesis
 is reduced otherwise much Injury
 may be done for this purpose I believe
 no Stimulant so proper as Dovers-
 powder as the diaphoretics all
 are Stimulants. —

Dovers powder is composed of Opium
 and Spicamark. aa ℥i.
 Sulph. pota ℥i. I have substituted gum

It is now 12 o'clock and we will go down to
lunch in the Saloon. Soots and odd steam-
as I'm sorry - I'm sorry - and odd 13c and
another, are perfectly good. But this is only a
great introduction of the variety and variety -
most of our dinner which will be served at
11 o'clock - and both are the direct opposite of
the nicest fare served in the Saloon. There
each of the passengers provide themselves the out and
platter from which they drink their coffee or
tea and eat - their porridge - round something
with bread and butter and potatoes.
- saying that meals were furnished but they
are compelled to eat - standing or sitting about
the deck, using their left or any elevation
that is provided, for support in taking.
They are obliged to make their own dinner with
impaired - convenience - and for men
with dependent children it is a diffi-
- cult performance and a pitiful sight.
Some of the steamship lines are however, making
great improvements tending toward the comfort
of the poor emigrant, and in many cases export-
to sea tanks and other convenient appliances.
In all this is as it should be; not only humanity
but interest should direct it, because the
steamer passengers are of more profit - than any

Anabae for the *Sulph potas*: A \mathcal{O} of this
 powder contains 1 gr. *Opium* ten or twelve
 grains are to be taken every two hours
 until a sweat breaks out. Cullen
 gave it in the morning after sleep
 in a bolus, the pulse, is apt to nauseate.
 The patient is to be rapped up in blan-
 -kets, and drink to be given after
 the sweat begins; tea in small &
 repeated quantities is then to be
 taken; it is worth attending to this;
 if drink is given before, it more
 frequently excites nausea: the sweat

[illegible]

C spread out on the front of the main wall—

ought to be contained 10 or 12 hours;
 if this is not universal let leeches
 be applied to the parts. Dr Sydenham
 thought Opium fixed the disease
 and did not give it before the
 5th day, I cannot suppose the
 5th day is always the period it
 may be given but it can rarely
 be given before. Dr Brockley had
 an Idea that Guaiacum prevented
 the Narcotic effects of Opium which
 I am inclined to believe, as it rarely
 produces sleep. Dr Blackmore was

And for the reason nothing but a "Canaanite" could
be so stupid as to do such a thing in such a
place. I am sure that the "Canaanite" is the
only one who could do such a thing. I am
sure that the "Canaanite" is the only one
who could do such a thing. I am sure that
the "Canaanite" is the only one who could
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"Canaanite" is the only one who could do
such a thing. I am sure that the "Canaanite"
is the only one who could do such a thing.

Th away down in
Switzerland pu-
-hals,

not a follower of his Master Dr Syd-
 -ham; he used it from the second
 day. there is a kind of Rheumatism
 which Dr Steete terms acute
 Rheumatism with Irritability,
 which is attended with local
 pain, weak pulse and debility
 where bark was found useful
 Dr Haller found Calomel and
 Mercury more useful than
 any thing else.

Gout. Is at its commencement
 a true inflammatory disease which
 Dr Thompson calls a peculiar fever;
 it often appears with a Chill, fever &c.
 The Atomic Gout or Gout of the Stomach
 is attended with sickness, nausea
 flatulency and coldness in the
 Stomach which is compared to
 Ice. in a case of this kind Dr Cullen
 gave Op. twice a day. others have
 gone far beyond this dose. I have
 taken fifteen grains twice a day
 a Dashi over the hat and a St & beyond

And I think - as you are in a position
to travel - a little

2. *Amelanchier*

And I don't - just like in words - the whole thing

And a number of good friends and students are very much interested in the

~~Handwritten text, mostly illegible due to fading and bleed-through.~~

13th 1881

And the first of the year 1800

1. *Handwritten notes and scribbles at the bottom of the page, including "1000" and "10000".*

1000

Amesbury, Mass. 1892

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~~18~~ 18

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1/2

9-11-1914

22 June 1944

10. 11. 1900

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And

When the sperm are present in the uterus.

~~Ch. de v. + 1889-1900 + 1889-1900 + 1889-1900~~

11-95

[Faint handwritten text at the bottom of the page]

Dr. Ho

[Faint handwritten notes at the bottom of the page]

10
What is a cell?

Shore front - inside the cliff - is a large hollow where the water flows

15. *Phlox pilularis* (L.) Rostk. Schmidt.

thought it a salutary effort of
Nature and used purgatives if

necessary. — Convulsions in small
pox are relieved by Opium, but

I think they are not of so much
service as Peripneumonia. The secondary
fever is generally of the inflammatory
kind requiring the Antiphlogistic
regimen but is sometimes degen-
erates into Typhus where Opium

may be used to Advantage

~~My hat~~ ~~is a fine hat~~ ~~not~~

a. d. d. d.

[illegible]

[Faint, mostly illegible handwriting, possibly a list or notes.]

And do not think me
ungrateful for the
kindness of the
people of the
country.

The first of these is the
 fact that the system is
 not a simple one, but a
 complex one, involving
 many different factors.
 The second is the fact
 that the system is not
 static, but dynamic, and
 is constantly changing.
 The third is the fact
 that the system is not
 uniform, but varies from
 place to place, and from
 time to time.

Share Fund - more in different places when we begin trading!!

thought it a salutary effort of

Nature and used purgatives if

necessary. — Convulsions in small
 Pox are relieved by Opium, but

I think they are not of so much
 service as Sciripusims. the secondary

fever is generally of the inflammatory
 kind requiring the antiphlogistic

regimen but is sometimes degen-

erates into a phlegm where Opium

may be used to advantage

Self said he "go tell your father you have loved your Annuscully"
 "You know that you know already more is enough to have the odd."

I went so back on the old school house.

I don't want to be any more angry with you.

For her pretty much all you have done.

And I don't think I know any more than I did.

When I came in. My college was closed.

And a long time had been was closed.

In the old days from the first of the fall.

I don't know where you are now.

System is changing. It is a very hard task.

Know our old school.

Set down Peggy - I don't think I have alone.

Redmond - Peggy. In next of course to stand alone.

Just could be called on for a new house.

And that is the reason for the new house.

Set down Peggy - don't get angry with you.

Yes, it is from the old man, Peggy set down quite.

Set down Peggy - don't get angry with you.

Set down Peggy - don't get angry with you.

Set down Peggy - don't get angry with you.

Set down Peggy - don't get angry with you.

Set down Peggy - don't get angry with you.

Set down Peggy - don't get angry with you.

Dr. Mead treated it successfully
 with purges. Dr. Cullen followed this
 practice in the early part of his life
 but forsook it and treated it more
 Successfully by Opium, bark, Wine
 Acids.

Drum - 5.5
 Mountain Green - birds - made you like a bird?
 a thousand bright one of a kind - the - the
 you in heart - I send you to singing
 checked in note of white.

Will I see you again - right here

Meazles. Dr Sydenham has recom-
 -mended Opium in very high terms
 in this disease. It is often an Inflam-
 -matory disease attended with Pneum-
 -onic inflammation. the treatment best
 suited to relieve those symptoms are
 Bleeding, cool but not cold air,
 Cathartics &c. on this subject Dr Brown
 has some valuable observations in his
 Elements of Medicine. the last season
 1801-2 they were so inflammatory as to
 require sometimes five or six bleeding

I have in the
 last passed in the morning
 and have a more a shade higher than the 15th Amendment

for nothing more surely give a monkey the title
than the loss of his tail and consequent grief.
for when his tail gone his mouth opens at a state,
and he wanders up and down of a stammer will make.

There is an animal not even a donkey.
Better suited to make a man than a monkey;
and to go a step back in the way made a hole
in thinking the monkey shows from a tail pole;
But why of a right for the tail pole, and a wish for the monkey
whose beautiful ears were exchanged for a plucking.

And now
I have spoken for I am
not exactly - I have spoken to show
donkey a system of looking and carrying
with a view of comparison with monkey on monkey.
who sit in the flesh, not like human people.

The primary Elephant may look like a man -
than Elephants are not so different -

(I want universal to find a large house
that has opening from an underground passage.)
catfish a fish from a river dissected.

Still I have a doubt but a whole was imported

See you persons looking for an
monkey in their lot of Elephants reported
whole a number of place is center of there.
for monkeyed man to behead do!
Woman (said me) - woman we shall be
as we are in work at the school door
working for me is to work in one!
It will put from the bottom to work for them
well learn from inside things to be in.

343.
In this stage Opium must be

very hurtful. if the Cough is Violent
Opium is apt to increase it Dr. Cullen

says it may be employed more freely

than the inflammatory nature of the

disease might seem to admit; he

advises however not to use Opium

until the Inflammatory symptoms

are reduced. The Mucilaginous

Mixture mentioned Yesterday may

often be used with advantage. a diaphanous

occurring in this disease is thought by

Dr. Cullen to be a good sign, and is thought to be a good sign, and is thought to be a good sign.

A Prelude to the Subject of Narcissism

The subject before us as I understand it, is
 a subject of one so profound and so grand, in
 its nature, to take me a while from any but
 the most delightful that which is the subject of
 the (brought) I cannot count the time in the course
 and one making and another to take up the thread
 whose passing being, all passing dead.
 In a wide ocean of confusion - Shanty
 his attempt to create a new man, a minority
 in the main - which you can -
 who a minority to say to make from a new -
 I simply desire to outline a few things
 making for me against the Adamantine plan
 But more in opposition to open the wings
 of your dance! Each must get where he can
 show any he can have who certainly do do
 the true model of dignity - they may find wisdom
 that actually warms, and answers some little else
 Great him with short "We draw the name of my dog"
 So a little more say. We know without doubt
 "That Gadsden are rare preservers of things"
 (and probably more rare than
 a man certain sign in the list of his dogs)
 We know that as soon as Gadsden is killed in
 what the life of the frog is about - to begin
 And hence, in a song to make men from monkeys
 As it is to make men into Adam and devils
 From your fate don't be afraid -
 In the morning that suffers when you drive in light.
 So the day of the change may be made
 So the money has over the a season of growth

Some should not be checked. —

Scarlatina. I have nothing to say
on its use in this disease. —

Dysentery. all seem to agree as
to its use in this disease and every
one I believe has used it with advan-

Dr Sydenham trusted nearly
entirely on it after a purgative
or two he prescribed Opium on a
draught at bed time. Lind says
its use is absolutely necessary in
Warm Climates and we should

We know we are pure that the three was a Jackhole
we are sure that the three was a Jackhole
A. A. Jackson's Cadastre for the late was absorbed

a distinction with a wide difference but
 both equally competent. The fact
 seems to be that the two names
 appear in the field of thought but the reading
 of the passage in Greek.

use it early. We derive little know-
 ledge from Dr. Cullen in this disease
 he appears to have been more guided
 by Theory than Observation. I have
 always used it hardly possible to
 manage it without Opium. it
 may do hurt from its Stimulus
 but the fears from its Astringency
 is nothing but Theory, it is gene-
 rally necessary to prescribe a Cathartic
 before its use, but I know this
 is not always necessary. I have cured

[illegible]

many without any previous vaccination.

A German Physician treated an Epidemic
Dysentery with success with Antim-
ony and Opium which would yield
to nothing else. —

Tetanus. I know little of its
use in this disease from experience;
I threw out some remarks on this
disease when on the bank I then
said it was frequently a Spasmodic
disease. I have heard of one case

It is hoped that it is for a time at least. I am
-doubt, my heart on this and matter
decidedly only will make the old and
being particularly interesting that the car
cross for a change, and the old
-house again expressed the hope that it
they all were for something new in
the way of change to provide for our
pasture. And will be a great
piece of land and a very good
change by the company bought - it is
to change a great deal of the country
of the

brought on by the bite of a Rattle
 Snake cured by drinking Seneca tea.
 A writer informs us he gave ℥xx of Tinct.
 Opium in twentyfour hours, and there
 is a case in the Philosophical Trans-
 actions where a Man took 1500 grs.
 of Opium in seven days. costiveness
 is a general effect of Opium upon
 the Whole I think we have sufficient
 grounds for believing it has cured
 some of the most Violent forms of
 the disease. I have sometimes thought
 it failed from being given in too

[illegible]

small quantities, I was led to adopt
 this Opinion by seeing the most
 decided good effects from Wine
 whose Operation is very similar to
 Opium. I shall say a very few
 words on its use in Hydrophobia,
 but I believe it is seldom cured
 I need hardly say it is necessary
 to examine into its precise nature;
 It is I think nearly allied to Tetanus
 in its first Stages it is a disease
 of the febrile kind; this is shown

[illegible][illegible]

by its symptoms, and its cure by
debilitating remedies; it is produced
by Stimulants as Stramonium, Camph.
&c. Many cases on the contrary are
related of its cure by Stimulants.

D^r August who has wrote on this
disease found Opium useful, but
he used Musk at the same time &c.

D^r Frank used it in two cases
without success. I have in one
instance in the Pennsylvania
Hospital gave Ether in very large
doses with the effect of relaxing

[illegible]

the Spasms. I gave as much as 14 or 15 Ounces a day the patient finally died.

I shall say a very few words here on the Chickweed. *Scirpus* of Linn / as I shall not mention it elsewhere. it has long been celebrated for its use in Hydrophobia but its Reputation is now worn out in Europe. Congress have lately given a sort of Patent for some information of this plant. I knew a case, that came under my Observation where the patient had taken 400 grs. of it.

The second part of the volume contains
 an interesting account of the life of
 but more interesting than the life of
 the author to the reader. The volume
 is an interesting and valuable work
 and is well worth a perusal. The
 volume is well bound and is in
 the hands of the company. The
 volume is well worth a perusal.

77

Recd. 7. 2. 1871. - The Librarian

St. Petersburg

[illegible]

It proved ineffectual and the patient
 died. Chorea. In this disease Opium
 is generally exhibited. Dr Sydenham
 attempted to cure it by the alternate
 use of Bleeding, purging and Opium,
 Opium and the Tonics as bark, Iron,
 Cold bath &c. must be carried to great
 length. Cramer saw Opium cure
 in one case, tho' it did not effect
 a cure. the case I mentioned some
 time since of the Lady who was
 cured by the frequent use of the lancet

winces the necessity of depletion
in some cases. —

Epilepsy. Authors differ much
in their Opinion concerning the
use of Opium in Epilepsy. It is
said to be produced by Hemorrhagy
and simple debility; but cases
from such causes are I believe
very rare. if they arose from pro-
fuse Bleeding they would have
been observed by Botallus &c.

[illegible]

If it arose from simple debility
 it would be much more common;
 we should observe it in the low state
 of fever and in old age. Dr Brown
 has shown his utter ignorance of this.
 I am of Opinion that it is frequently
 connected with a Plethoric state
 of the system and a turgescence
 of the blood vessels of the brain;
 Opium would certainly increase
 this species of Epilepsy, there are
 however Epilepsies arising from

inatation applied to the Nervous
 System where Opium is often useful
 and if the first return any more
 periodically it prevents the
 Return if given before the expected
 Paroxysm. one case came under
 my care where opium prevented
 it; three grains were given at
 first; and in twelve days the
 Patient was cured. In cases
 where an attack is prescribed by

In the Arbor

There a stilly day in the Spring time -
The first of the May days, & with -
She said "let us go to the arbor -
And there are the best of green -
On many days new garment of blossoms
And leaves that are peeping between;
I said, "where is the place of greenness?"
"I go love, and thou art my queen!"

I sat with my love in the arbor -

A very sweet place, I declare, -

The sun so beautifully golden

Shining so beautifully there

So beautifully gleamed through the lattice

And played in the beautiful hair -

Wonder of I and my darling
Would share as beautiful there!

The soft day organs were peeping
As mine from my neck above

We dreamt of sweet time of the singing
That came from the whispering of doves

And we sat as we sat in the arbor

A beautiful spot on the earth

A place for the sweet - ~~Recreation~~

The beautiful flowers of God!

A springing up from the -

Aura Epileptica and returns
 periodically Quinine may be
 used with advantage. for the
 most part it attacks during
 sleep which probably may arise
 from the horizontal position and
 the more free circulation of blood
 to the brain. the palpitation Cordis
 may sometimes depend on Organic
 Affections but more generally
 believe it Symptomatic. I have
 known it alternate with gout.

With good luck, I have been
 With good luck, I have been
 I have been thinking of it
 I have been thinking of it

With good luck, I have been
 I have been thinking of it
 I have been thinking of it

With good luck, I have been
 I have been thinking of it
 I have been thinking of it

I have been thinking of it

I have been thinking of it

I have been thinking of it

I have been thinking of it

hence the necessity of enquiring
into the diseases of the Family.

A similar case is related by
Sawage in his Nosology. in
the case of Dr Cutbush it not
unfrequently preceded attack
of Gout. in one case of Epilepsy
which arose from a fright and
returned every day at 9 O'clock
was cured by Opium. Pettam
relates a case which occurred
only during sleep and was

A new summer of new light

And though the clouds of winter are
the stars of winter rising
that - when to the east of them
and 811 - the children of
and 812 - with the first
eyes it is the day of 812
that in the first of the
danced in the great light
But - not as there was a great light
above each house of the
the morning - some great light
the morning - some great light
the morning - some great light

A great darkness than the night
light - surely in the darkness
light - surely in the darkness

With good light - is not present

The first light - first of the first of the first

Strenuously it is better and

freedom to

as before
as before by the country, light

by Opium and loss of Sleep. —

Asthma. in this disease it has done both good and harm. this disease sometimes depends on a turgescence of the vessels of the lungs where bleeding is useful and Opium utterly improper when it is of the spasmodic kind, Opium has done much good;

in such cases I have found it
effect a cure. I have sometimes
thought these cases of Asthma

[Faint, mostly illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

Do you! My price that of the one -
and I think that will be the end of
the matter of things is in the end
my garden here. Look at it!
My brother. My price upon his death -
the same as the others!
In the name that is the name!
The name that is the name!

the same remedies must be used
for its cure Opium will relieve
the fit but it still returns.

Cullen used it but it only modera-
-ted the paroxysm. Linnaeus says
it is Mitigated by fresh Meat
and Milk. I have cured it in
one instance by the *St. Succini*.

I gave it in much larger quanti-
ties than is usual from sixty
to ninety drops two or three times
a day. —————

We may not see a forest as a forest,
 Over a cloud, nor divine Power forth,
 Hand in earth's glory.

VII

An Ensign for us may not control
 The Empire of the Gods, and still
 Stark, getting, and a depth of soul
 If an angelic word.

VIII

We may not hear a melody of fire,
 From the spiritual sea in hidden depths,
 Her yet an offering in distant us,
 Still, listening, nations unite.

IX

But here we may as Angels come and go
 Disparate in strains of human birth,
 Of laughing taken to some music show
 Of mystery and truth.

X

We may have wandered on his lone cliffs,
 There stood upon the shore hills of Rome,
 And drew the music of St Peter's chiming,
 And had heard the glory.

XI

We may have stood on nations' heights,
 And passed to listen to harmonic hymns,
 That echo through St Peter's opening pile,
 Gate answering Churches -

Cholic. when from the state of
 the pulse and the System generally
 we have reason to suspect inflammation
 and if Costiveness prevails it is very
 clear we should not give Opium
 before the use of blood letting. in the
 Cholera, Hysterica which arises from
 passions of Cold, Opium may be
 exhibited without any previous
 evacuation with advantage.
 Opium combined with laxatives
 is useful in Cholera Pictorium. —

Imaginal Form.

I

No direct fabric area to our right; -
No garb is by these right; -

No direct fabric area to our right; -
No garb is by these right; -

II

No body will give out its fragor throat -
Peculiar a diverse welcome to our ears; -

No grand illumination around us that
Shall guide the children.

III

No faint light with colors unattained
No curved pillars wrapped in plates of white;
No record ending with right of good
No salt on page to night.

IV

We come not here to be a Calvary; -

We come not here to be a Calvary; -

We come not here to be a Calvary; -
From Oregon a green man.

V

We come not here to be a Calvary; -
We come not here to be a Calvary; -

We come not here to be a Calvary; -
We come not here to be a Calvary; -

We come not here to be a Calvary; -
We come not here to be a Calvary; -

We come not here to be a Calvary; -
We come not here to be a Calvary; -

Cholera. I know no disease where
 Opium shows its good effects more
 powerfully than in this. in the
 Cholera of old people it is almost
 the only remedy. —

My love and J. Spencer

I am ~~not~~ at home in the ~~other~~ - arbor
 a little my love.

And there is a beautiful garden
 And there is a beautiful stream
 And there is a beautiful view
 And there is a beautiful house
 And there is a beautiful garden
 And there is a beautiful stream
 And there is a beautiful view
 And there is a beautiful house

And there is a beautiful garden
 And there is a beautiful stream
 And there is a beautiful view
 And there is a beautiful house
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 And there is a beautiful house
 And there is a beautiful garden
 And there is a beautiful stream
 And there is a beautiful view
 And there is a beautiful house

Mania. Mezer found it useful in
one case in that species turned a
Tonic it may be very useful but
unless we are entirely deceived
as to its Operation it must be of
infinite injury in Tonic Mania.

Dr. Cullen sometimes found it
useful at others hurtful, it is un-
doubtedly useful in the Mania of
Puerperal Women. In Mania
from the immoderate use of Spiritous

Liquors Opium is I believe the best Medicine.

These last being not on the list
I have for the first time
in the Hospital given 1/2 scr.

[illegible]

~~of the same name~~

[Faint handwritten notes at the bottom of the page, possibly bleed-through from the reverse side.]

of minutes

[illegible]

Am. & the children goes
Am. & the children goes
to some of the most beautiful places
Am. & the children goes
to some of the most beautiful places

~~On the 1st of March 1841~~
 And later on - with this first
 egg in view the object of course
 was to deposit it in the nest
 before the other hatched.

[illegible]

Gangrene. In a gangrene of the
 toes described by Mr. Pott it was
 found very useful. —

Syphilis. the use of Opium in
 Syphilis is of modern date, as late
 as 1779. it was introduced by Accident.

A. Young after Mercury and almost
 every Antisyphilitic remedy had
 failed, when in great pain took
 large doses of Opium to procure
 ease & finally recovered from its
 use, from a fair trial in the

I

I have stood upon ye Oh! ye silent hills,

In that spring time of life when silent hopes

Swamp-own childhood: - when thy marginal hills

Were picture of mine, - and thy depths

Were hidden in mist, while thy roses

Blowed in odour to the wind then and now

And purple bloom kept on an silent gate

Heard then perfume sweetest.

Oh me, that I had

Can now thy choice name my answer to

Heard himself think to the unknown day!

II

I stand upon ye now, Oh silent hills!

Silent? Oh me, not silent? Every depth

Secure into an open world on which the sun

And source of a life as bright, and which deep

Against the dome of day. In the winter gate

I stand and read the record of my years -

My time of beauty, - and that autumn tale

That spirit's grace many years. I have seen

Can now to weep - Oh silent hills!

Oh me! - the grass - the grass beneath thy margin hills!

Pennsylvania Hospital by Dr^{rs} Bond
 and Park it appeared to be of very
 little service in genuine Syphilis;
 it however appeared to promote the
 healthy granulations in old Venereal
 ulcers and is often useful when
 Mercury is already introduced into
 the System. Ulcers and buboes which
 were stationary are soon changed
 for the better. Bark has some effect,
 it is now very generally laid as-
 -ide as the sole remedy. I believe it never

What Frank is intent a thing
 upon, provide another for
 to show the young he hath none

It seems the young he had with him

And it is known

The very - the objects that he admires

~~And then about just about -~~

The name can mean anything

1840s - 1850s - 1860s - 1870s - 1880s - 1890s - 1900s - 1910s - 1920s - 1930s - 1940s - 1950s - 1960s - 1970s - 1980s - 1990s - 2000s - 2010s - 2020s

\$ 101 - with my friend at the office.

Good morning, my dear friend,
I am so glad to hear from you and
to hear that you are well and happy.
I am well and happy too, and
hope to hear from you again soon.
With love,
Your friend,
John

Part - the same was, the same things & so on.

And there is something there,

or, conversely, from the strength of the reaction
and begins with the very least, "beast"

There is a large lot of old iron in the store

And finally from the above

There is a very small dog in the agency - his name -

have the firm of the Agency and I mean

She says, let us go to the other
end of the line

There is a small note in the margin of the first page of the manuscript, which reads: "The original was written by [illegible] and is now in the possession of [illegible]".

And the house that on pumping station -

[Faint handwritten notes at the bottom of the page, likely bleed-through from the reverse side.]

~~the first~~ ~~the first~~ ~~the first~~

Q. S. 11

And we thought - the great thing about the thing is that it comes from the bottom of the heart

Hæmorrhagies. in that species

denominated acute with full pulse

Opium must be hunted in the passive

Kind it must be useful

The bird who was preaching the sermon
 that day was even preaching the sermon
 and was the one who was preaching the sermon.

as it is so often of the active kind

So I suppose Opium often hurtful

In Ninety nine cases of the hundred

it is of the kind and bleeding is

[illegible]

See *that* *the* *revelation*! *the* *spirit* - *of* *a* *boy*
 Who *lost* *the* *revelation* *at* *Seaton* *Mount*!
 How *unhappy* *his* *blazing* *in* *a* *cloudy* *day*
 And *clearer* *him* *at* *the* *Mount*!

Do come to mine! To mine! on which - please -
 you - with an intention that a wife had
 sought the following stream.

It will be cheap, generous and grand: -

affinity in form that bond

~~The following occurs or may occur -~~

Light compared in ground.

the leaves are dry

A motion has been voted in the earth
around the solid middle of the globe
and simple rotations round each heart
diff. comparison shows.

Handwritten text, likely bleed-through from the reverse side of the page.

Epistaxis. is often of the active kind. I believe none are so frequently so. Ruspins Styptic powder cured a case after bleeding. See &c. had failed.

Dr. Rhum thought it Willow Charcoal. Hemorrhages of Child-bed and Pregnant Women often depends on Spasmodic affections in which Cullen recommends Opium.

I have used it sometimes with advantage and others with disadvantage. The next article to be considered is

Would not be here. At times not as I say.
That their dead horses said their former words.
These burning eyes, the beautiful array,
Would not. This heart thinking.

17

For their lives were in other days but only
A far less joyful group than first my view;
How at my father's garden in distant hours

Sat looking at the leaves.

Still leaved their heads upon their hardened hands
And looked to the word and asked hymns
What appearing next the brown linked bands
Which wrapped the woman's limbs.

19

Upon their very hands perhaps has been,
Thymus - the writing and the divine part.
Some remains remain appearing with pain -
To find a grave at last -

20

Do you not see their shadows upon your face
And much in existence, camp and fields?
Do they not seem now, from hidden eyes,
Stare at you from the earth?

21

See that the earth is empty in a living land!
Then the earth moves that in death-camp!
How from his garden of shadows that in death
And you are here - camp!

Hyosciamus, Niger. Black henbane.

this I consider as the most allied to Opium
of any other article differing only in
degree of Violence. it is not a Native
of America, but grows well in this
State. It is undoubtedly like Opium
a Stimulating Medicine. Haller
relates the case of a Student who
could swallow Belladonna and
other Vegetables which are accounted
poisonous in large Quantities,
Yet when he had eaten but a small

Start not my friends - I with you were spurs

Give them the dust in my - not on their eyes

Take the sword - when: How used in argument - should

Will not have you to rise!

Back Sate! my theme does not admit

A cynic to its counsel. Do not start -

Wells my voice had let it - rhyme and wit
How round an honest heart

12

The Union now has found her dead days -

To mingle with her name - how true they

Which earth gives me here

13

It was not so, that beauty in things

In forms and features, burning images, bright

And deep as all patterns

In the world and wings -

14

In deeper air and broader currents

In clouds and eagles, soaring and strong

In "not" and "nice" rolled up in "and" and "ing"

And "Chorus" round the throat -

In poems, attitudes of poets and poets

The rest in hand off me with it on

One speaking in a sea of cotton lace
One tangled in a web of steel lace

And one in stamboy -

Quantity of Hyocyanus was
 seized with Cholic paralysis and
 Madness and was with difficulty
 saved by Dr Barbaque. m Dr

Stork's cases it acted as a duntic.

It is closely Allied to Opium.

Opium induces costiveness but some
 times purges. Hyocyanus generally

purges, yet it sometimes induces

costiveness. Dissections have proved

it is a Stimulant. Dr Stork exhibited

it in many cases, one grain a day
 "It what does not must be some of last"

In retropharyngeal coat - Your eyes observe
 and follow me in picture of the boat

I
5-
I take my place upon the humble altar
To ~~present~~ ^{present} incense, with the real;
And mark each ~~living~~ heart, with willing hand,
To press the appearing Seal.

cc. ~~XIV~~ XIV

The story of the acorn is not many.

14 But it may never grow to a fruitful stalk.

Remember that the little acorn grows

To be a giant oak!

~~XV~~ XV

So the inward life begins may unfold

15 This unperceived substance yet may be

The small beginning of a greater end.

The acorn and the tree!

~~XVI~~ XVI

Some little child within the humble room

16 Staring with eager ears and eyes afloat

May find a germ which may in season bloom

And blossom into flame.

The thorn now has burst her dead end;—

17 At least I hope, — I trust, this ghost will pass

Before the Kelly and the Michaelmas

And may ~~the~~ ^{the} ~~very~~ ^{very} pass.

II. ~~Thunagrat poem~~

No doric fabric more to our right; -
 No gothic dome is by Atlas kept; -
 No gilded spire stands distant thought;
 In our mechanical midst.

III.

No helving bell from outside organ throat,
 Peals a nervous resonance to our ears; -
 No grand illuminations burn in great
 From gilded chandeliers.

IV.

No painted glass and color-mosaics; -
 No carved pillars reared in plaster fronts; -
 No frescoed ceiling with art-tint of gold;
 Salute our eyes tonight.

V.

We come not here to see a Colosseum; -
 We come not here to see a Vatican; -
 We come not here to hear a grand St. Simeon,
 From organ or grand Mass.

Dr. Cullen cured a case of convulsions
 by 20 grs. a day a Case
 of Mania 1 gr. a day. it induced
 sweat, a serenity of the mind and
 in one a Swelling of the Parotid gland;
 it purged, induced costiveness, Rhatism
 and proved diuretic. —

Dr. Guede say it did not effect a cure.
 I have often used it and find it proven

reflex
I tell me what you have done

What means gathering in the desert
they gather here with done?

to the man that makes the noise!
My heart upon another, being
convinced, asking to clean?

Oh God! Why ^{then} ~~not~~ that they are -

And Lord - I am his son!
What must it be that is in the desert?

Why gather here with done?

My grandson was a ~~student~~ ^{student}, and
Gathered here with ~~studies~~ ^{studies}?

What - think they are a ~~studies~~ ^{studies} he?
And there a nation - many ~~compar~~ ^{compar}

~~And there a nation - many~~
~~And there a nation - many~~

"A girl - in this story" ~~An untold King?~~
And there the gathering

to ~~studies~~ ^{studies} a ~~gathering~~ ^{gathering}?
One thing the gathering ~~gathering~~ ^{gathering}?
You are the door that he built there

penultima - the last syllable but one -

3/10/1914

4. *Phrynosoma*

4 " " mit 66^{te} anniversary

U. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 8

U. R. 11. 11. 11.

2. 1891

2. *Adiantum*

1794

$$\begin{array}{r}
 297 \\
 \times 23 \\
 \hline
 891 \\
 594 \\
 \hline
 6831
 \end{array}$$

10/4/50 Three partly crabs notes & scribbles appear to have been made by an earlier Krumpholtz, in 1971 see "Winter Gatherings" (near Rowing). On the last line, "Sisters Mary & Kate" (Cp. advice notes p. 954). On the other 1 sister of Thos. name. also Sick. mention Sally, nurse, sister, garden, sister, daughter.

